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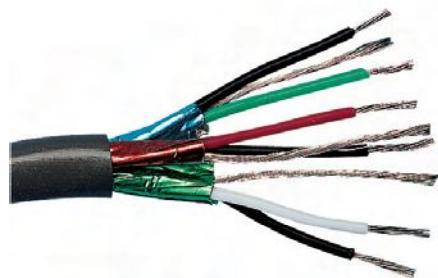
XTRA-GUARD® High-Performance Cables



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Multicore Cable



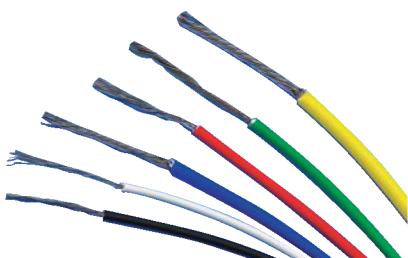
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Control Cables



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Equipment Wire



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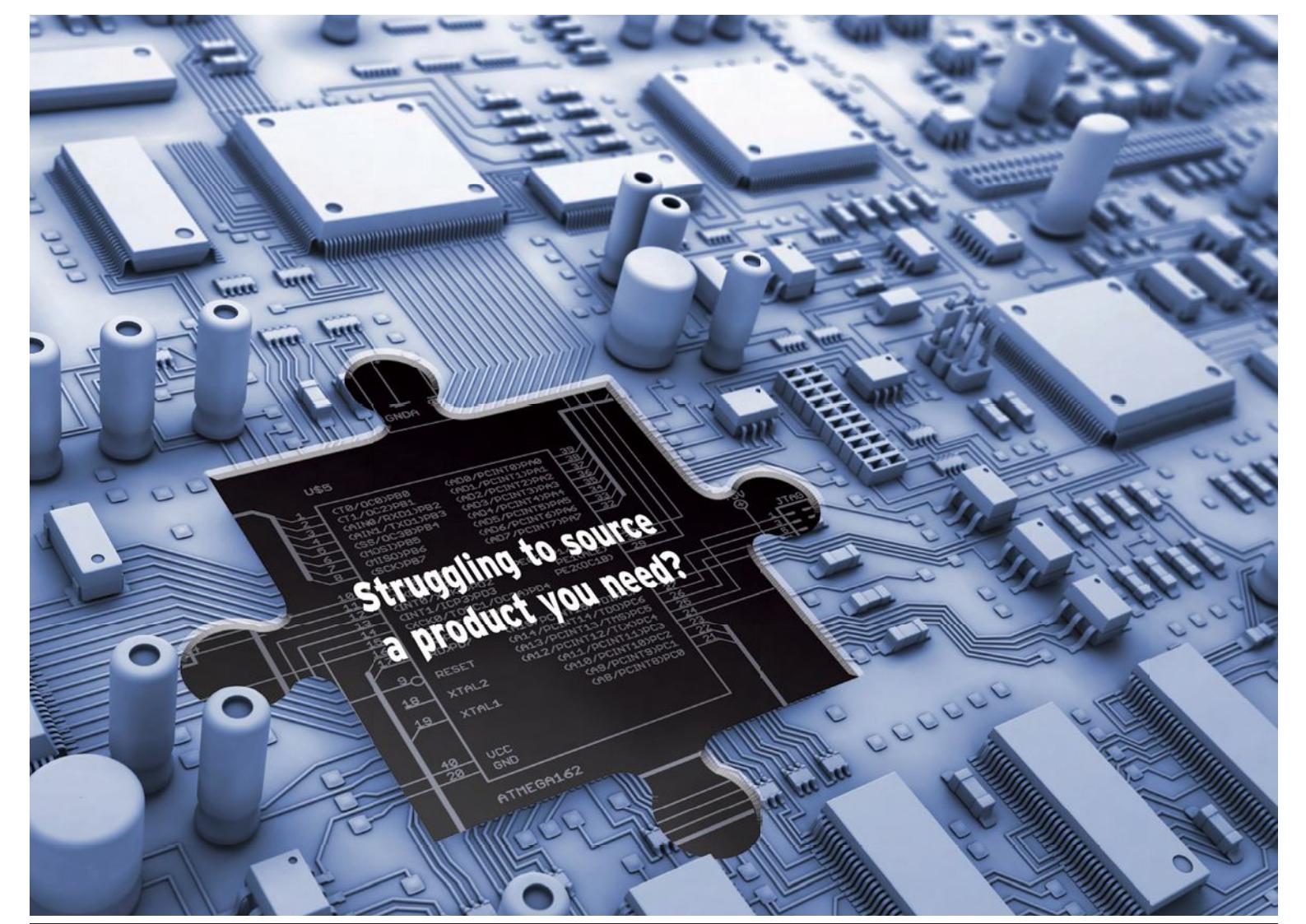


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Prototyping Wire

Wiring Pencil Wire (Non-insulated)

Tinned Copper Wire 1/0.25 (33SWG)



ROADRUNNER

- Suitable for discrete wiring, shorting links and PCB track repairs

Current rating 228mA

224019

2 x 24m Spools Per Pack
Order Code 1+ 5+ 10+ 25+

130-7796● 3.10 2.69 2.39 2.15

Tinned Copper Wire



- Suitable for shorting links, discrete wiring, PCB track repairs etc. Conforms to BS4109



SWG (approx.)	Reel Size	Fuse Rating	Diameter (approx.)	Length (approx.)	Mftrs. List No.	Order Code
35	250g	5A	0.213	785m	TCW35 250G	123-0989
25	250g	15A	0.508	138m	TCW25 250G	123-0990
24	500g	17A	0.559	230m	TCW24 500G	123-0991
22	500g	24A	0.711	140m	TCW22 500G	123-0993
21	250g	30A	0.812	54m	TCW21 250G	123-0994
20	500g	33A	0.914	86m	TCW20 500G	123-0995
18	500g	45A	1.219	48m	TCW18 500G	123-0996
16	500g	70A	1.626	27m	TCW16 500G	123-0997

224020

250g or 500g Reels

SWG (approx.)	Reel Size	Order Code	1+	5+	10+	25+	Price Per Reel
35	250g	123-0989●	7.01	6.78	6.50	6.26	
25	250g	123-0990●	6.85	6.60	6.34	6.11	
24	500g	123-0991●	8.52	8.24	7.91	7.62	
22	500g	123-0993●	8.44	8.17	7.83	7.53	
21	250g	123-0994●	6.81	6.56	6.30	6.07	
20	500g	123-0995●	8.36	8.08	7.77	7.48	
18	500g	123-0996●	8.34	8.06	7.75	7.45	
16	500g	123-0997●	8.27	8.00	7.70	7.40	

224020

Wiring Pencil Wire (Insulated)

1/0.15mm (38 SWG)

ROAD RUNNER



- A range of QSE (quick soldering enamel), polyurethane enamelled wire conforming to BS4520 Part 1
- The wire requires a soldering iron temperature of 400°C+ to remove the enamel. (Weller bit temperature code 8 or 9).

Warning: During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, i.e. (0.02 ppm).

Insulation thickness (min.) 0.012mm (38 SWG) Grade 2. Insulation breakdown 1500V RMS
0.014mm (36 SWG) Grade 2. Current rating 82mA (38 SWG)
Resistance 0.967Ω/m 131mA (36 SWG)

208047

38 SWG (4 x 34m Spools Per Pack)

Colour	Order Code	1+	5+	Price Per Pack
Copper x 4	146-182●	7.41	6.27	
Green x 4	146-183●	7.41	6.27	
Pink x 4	146-184●	7.41	6.27	

36 SWG (4 x 34m Spools Per Pack)

Violet x 4	148-731●	7.41	6.27
Copper x 4	148-732●	7.41	6.27
Pink x 4	148-734●	7.41	6.27

208047

Enamelled Copper Wire



- Coated in self-fluxing polyurethane, conforming to BS4520 Grade 2 (now incorporated within BS6811 Section 1, Pt.3)
- Suitable for coil forming and prototyping wire.

Maximum continuous temperature 120°C
Suitable soldering temperature 400-480°C

Warning: During the soldering process the polyurethane coating can produce small amounts of (T.D.I.) toluene di-isocyanate. Fume extraction may be required to ensure permitted safety levels are not exceeded, ie 0.02 p.p.m.

SWG (approx.)	Current Rating	Diameter	Length (approx.)	Order Code
35/36	48mA	0.2	1850m	123-0974
34/35	61mA	0.224	1430m	123-0975
33	76mA	0.25	1120m	123-0976
30	120mA	0.315	720m	123-0977
27	194mA	0.4	450m	123-0978
25	304mA	0.5	290m	123-0981
24	381mA	0.56	230m	123-0982
22	613mA	0.71	140m	123-0983
21	779mA	0.8	125m	123-0984
19	1.21A	1	70m	123-0985
18	1.91A	1.25	47m	123-0986
16/17	2.74A	1.5	32m	123-0987

208145

500g Reels SWG (approx.)	Order Code	1+	5+	10+	20+	Price Per Reel
35/36	123-0974●	11.40	11.02	10.58	10.16	
34/35	123-0975●	11.15	10.80	10.35	9.96	
33	123-0976●	11.02	10.66	10.23	9.84	
30	123-0977●	10.64	10.28	9.87	9.51	
27	123-0978●	10.47	10.12	9.71	9.35	
25	123-0981●	10.32	9.99	9.58	9.23	
24	123-0982●	10.00	9.66	9.28	8.93	
22	123-0983●	9.98	9.66	9.27	8.92	
21	123-0984●	9.81	9.49	9.10	8.77	
19	123-0985●	9.76	9.44	9.05	8.70	
18	123-0986●	9.71	9.39	9.00	8.66	
16/17	123-0987●	9.71	9.39	9.00	8.66	

1

Wire Wrap – Kynar® and Tefzel®



Tin plated, single copper wire which is available with either Tefzel® or Kynar® insulation, suitable for a wide range of hand and automatic (cut strip and wrap) wire wrapping applications.

- Voltage Rating: 300V
- Manufactured to MIL-Q-9858A

Size	Operating temperature	Conductor Size Kynar®	CSA	Nominal Outside Dia
30AWG	-60 to 105°C	1/0.25mm	0.05mm²	0.25mm
26AWG	-60 to 105°C	1/0.4mm	0.128mm²	0.69mm
30AWG	-90 to 150°C	1/0.25mm	0.05mm²	0.54mm
26AWG	-60 to 150°C	1/0.4mm	0.128mm²	0.69mm

336067

Colour	Reel Length	Order Code	1+	5+	Price Per Reel
Kynar® - 30 AWG					
Black	100m	143-381●	8.13	--	
Black	500m	143-391●	32.51	--	
Red	100m	120-2477●	8.13	--	
Red	500m	120-2478●	32.51	--	
Yellow	100m	120-2481●	8.13	--	
Yellow	500m	120-2482●	32.51	--	
Green	100m	120-2483●	8.13	--	
Green	500m	120-2484●	32.51	--	
Blue	100m	143-379●	8.13	--	
Blue	500m	143-386●	32.51	--	
White	100m	143-382●	8.13	--	
White	500m	143-388●	32.51	--	
Orange	100m	120-2485●	8.13	--	
Violet	100m	150-078●	8.13	--	
Tefzel® - 30 AWG					
Black	100m	120-2486●	21.80	--	
Red	100m	120-2487●	21.80	--	
Orange	100m	120-2488●	21.80	--	
Yellow	100m	120-2489●	21.80	--	
Green	100m	120-2490●	21.80	--	
Blue	100m	120-2491●	21.80	--	
White	100m	120-2493●	21.80	--	
Kynar® 26 AWG					
Black	100m	143-381●	8.13	--	
Red	100m	120-2494●	14.94	13.73	
Green	100m	120-2495●	14.94	13.73	
Blue	100m	150-085●	14.94	13.73	
White	100m	150-087●	14.94	13.73	



Prototyping Wire - continued

Wire Wrap – Kynar® and Tefzel® - continued

Colour	Reel Length	Order Code	Price Per Reel
		1+	5+
Kynar® - 30 AWG			
Black	100m	120-2496●	26.30
Red	100m	120-2497●	26.30
Green	100m	120-2498●	26.30
Blue	100m	120-2499●	26.30
White	100m	120-2500●	26.30
			25.77

Jumper Wires



Pre-measured, pre-formed, colour coded jumper wires for use in prototyping

- 22AWG solid tinned copper
- PVC insulation is stripped 6mm
- Ends bent 90° for easy installation

510398

200 Per Pack	Length			Price Per Pack		
Mtrs. List No.	(mm)	Order Code	1+	10+	25+	50+
923345-01-C	None	160-4544●	7.13	6.92	6.71	6.43
923345-02-C	Red	160-4546●	7.13	6.92	6.71	6.43
923345-03-C	Orange	160-4547●	7.13	6.92	6.71	6.43
923345-04-C	Yellow	160-4548●	7.13	6.92	6.71	6.43
923345-05-C	Green	160-4549●	7.13	6.92	6.71	6.43

Equipment Wire - Solid Core



Bus Bar Wire



- Electrolytic Soft Drawn and Annealed Solid Tin Plated Copper
- MIL-W-3861 Type S (Inactive Military Specification) and QQ-W-343 Type S Specifications
- 30.5m Reel

450344

Wire Size	Alpha Wire Part No.			Price Per Reel			
			Order Code	1+	5+	10+	25+
26AWG	0.41mm	299/1	130-2721●	6.84	6.23	5.86	5.29
18AWG	1.02mm	296	130-2720●	11.57	10.52	9.88	8.94
16AWG	1.3mm	295	130-2719●	16.45	14.96	14.06	12.71
14AWG	1.62mm	286	130-2718●	24.95	22.69	21.33	19.27

1/0.6mm (0.28mm²)



- PVC insulated tinned copper conductor to DEF61-12 (Part 6) Type 2, and BS4808 Part 2

Nominal outside diameter	1.2mm	Voltage rating	1000V RMS
Wall thickness	0.3mm	Nominal current rating	1.8A @ 70°C
100m Reels			
Colour	Order Code	Colour	Order Code
Black	121-9335	Orange	121-9338
Brown	121-9336	Yellow	121-9341
Red	121-9337	Green	121-9342
			Order Code
			121-9348

1 — 100m reel each colour, Black to Pink

208361

Price Per Reel				
MIXED QUANTITY PRICING				
1+	5+	10+	25+	+
100m All Colours ●	3.90	3.14	3.03	2.84
			Price Per Kit	--
			1+	
100m Reel Kit ●			50.56	

1/0.80mm Solid Heat Resistant Cable - BS6004



- Fixed wiring cables, commonly used in applications such as gear-tray wiring in fluorescent light fittings and general wiring within the lighting industry
- Suitable for use at conductor temperatures not exceeding 90°C
- Class 1, Plain annealed copper conductor

- PVC Insulated to BS7655 and IEC60227-1
- Conforms to BS6004 Table 12 and IEC60227-1
- Available on 100m and 500m reels
- It is recommended that PVC-Insulated cable is shielded from ultra-violet radiation

Conductor 1/0.5mm² plain annealed copper Insulation resistance 0.015MQkm @ 90°C
Insulation thickness 0.60mm Maximum temperature rating 90°C
Voltage rating 300/300V Nominal overall diameter 2.05mm

338544

Order Code	Colour	Reel Length	1+	5+
118-6471●	White	100m	7.60	7.22
118-6473●	White	500m	36.41	34.60
118-6475●	Blue	100m	7.60	7.22
118-6476●	Blue	500m	36.41	34.60
118-6477●	Brown	100m	7.60	7.22
118-6479●	Green / Yellow	100m	7.60	7.22
118-6481●	Red	100m	7.60	7.22
118-6483●	Black	100m	7.60	7.22
118-6484●	Black	500m	36.41	34.60

Equipment Wire - Tinned Stranded to BS4808

Equipment Wire



PVC insulated equipment wires intended for the internal wiring of electrical and electronic equipment.

- PVC insulated tinned copper conductors to DEF61-12 (Part 6).Type 2 (1000V) or Type 3 (1500V) and BS4808 Part 2.
- Various colours available

10/0.1mm	7/0.2mm	16/0.2mm	16/0.2mm	24/0.2mm	24/0.2mm	32/0.2mm	63/0.2mm
Nom. outside dia.	Type 2	Type 2	Type 2	Type 2	Type 3	Type 3	Type 3
1.05	1.2	1.6	2.13	2.05	2.34	2.52	3
Wall thickness	0.3	0.3	0.3	0.45	0.6	0.6	0.6
Voltage rating rms	1000	1000	1000	1000	1500	1500	1500
Current rating (A) @ 70°C	0.5	1.4	3	4.5	4.5	6	11

10/0.1mm Type 2 (0.078mm²)

Conductor 10/0.1mm	Order Code	Price Per Reel				
100m Reels		1+	5+	10+	25+	50+
Black	117-2853●	6.15	5.97	5.78	5.61	--
Brown	117-2854●	6.15	5.97	5.78	5.61	--
Red	117-2855●	6.15	5.97	5.78	5.61	4.56
Orange	117-2856●	6.15	5.97	5.78	5.61	4.56
Yellow	117-2857●	6.15	5.97	5.78	5.61	4.56
Green	117-2858●	6.15	5.97	5.78	5.61	4.56
Blue	117-2859●	6.15	5.97	5.78	5.61	4.56
Pink	117-2860●	6.15	5.97	5.78	5.61	4.56
Grey	117-2861●	6.15	5.97	5.78	5.61	4.56
White	117-2862●	6.15	5.97	5.78	5.61	4.56
Violet	117-2863●	6.15	5.97	5.78	5.61	4.56
500m Reels		31.36	28.95	26.88	25.09	19.92
Red	117-2865●	31.36	28.95	26.88	25.09	19.92
Yellow	117-2866●	31.36	28.95	26.88	25.09	19.92
Green	117-2867●	31.36	28.95	26.88	25.09	19.92
Blue	117-2868●	27.00	26.18	25.41	24.63	19.92

7/0.2mm Type 2 (0.22mm²) Plain Colours

Conductor 7/0.2mm	Order Code	Price Per Reel				
100m Reels		1+	5+	10+	25+	50+
Black	121-9323●	5.40	4.32	--	--	--
Brown	121-9324●	5.40	4.32	--	--	--
Red	121-9325●	5.40	4.32	--	--	--
Orange	121-9326●	5.40	4.32	--	--	--
Yellow	121-9328●	5.40	4.32	--	--	--
Green	121-9329●	5.40	4.32	--	--	--
Blue	121-9330●	5.40	4.32	--	--	--
Violet	121-9331●	5.40	4.32	--	--	--
Grey	121-9332●	5.40	4.32	--	--	--
White	121-9333●	5.40	4.32	--	--	--
Pink	121-9334●	5.40	4.32	--	--	--
500m Reels		20.04	19.04	18.09	17.18	14.82
Black	117-2870●	20.04	19.04	18.09	17.18	14.82
Brown	117-2871●	20.04	19.04	18.09	17.18	14.82
Red	117-2872●	20.04	19.04	18.09	17.18	14.82
Orange	117-2873●	20.04	19.04	18.09	17.18	14.82
Yellow	117-2874●	20.04	19.04	18.09	17.18	14.82
Green	117-2875●	20.04	19.04	18.09	17.18	14.82
Blue	117-2877●	20.04	19.04	18.09	17.18	14.82
Violet	117-2878●	20.04	19.04	18.09	17.18	14.82
Grey	117-2879●	20.04	19.04	18.09	17.18	14.82
White	117-2880●	20.04	19.04	18.09	17.18	14.82
Pink	117-2881●	20.04	19.04	18.09	17.18	14.82
Kit containing 1 of each colour (11x 100m Reels)		70.99	69.63	69.12	68.74	67.42
Black to Pink	117-2882●	70.99	69.63	69.12	68.74	67.42

7/0.2mm Type 2 (0.22mm²) Bi-Colours

Conductor 7/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Red / Black	117-2883●	5.69	5.40	5.29	5.04	4.97
Red / Brown	117-2884●	6.34	5.89	5.42	5.12	5.02
Red / Green	117-2885●	6.34	5.89	5.42	5.12	5.02
Red / Blue	117-2886●	6.34	5.89	5.42	5.12	5.02
Orange / Black	117-2887●	6.34	5.89	5.42	5.12	5.02
Orange / Red	117-2889●	6.34	5.89	5.42	5.12	5.02
Yellow / Black	117-2891●	6.34	5.89	5.42	5.12	5.02
Yellow / Red	117-2892●	6.34	5.89	5.42	5.12	5.02
Yellow / Green	117-2893●	6.34	5.89	5.42	5.12	5.02
Green / Red	117-2894●	6.34	5.89	5.42	5.12	5.02
Violet / Red	117-2895●	6.34	5.89	5.42	5.12	5.02
Grey / Black	117-2896●	6.34	5.89	5.42	5.12	5.02
Grey / Blue	117-2897●	6.34	5.89	5.42	5.12	5.02
White / Black	117-2898●	6.34	5.89	5.42	5.12	5.02
White / Red	117-2899●	6.34	5.89	5.42	5.12	5.02
Pink / Black	117-2900●	6.34	5.89	5.42	5.12	5.02
Green / Yellow	117-2901●	6.34	5.89	5.42	5.12	5.02
Purple / Red	117-2902●	6.34	5.89	5.42	5.12	5.02

16/0.2mm Type 2 (0.5mm²) Plain Colours

Conductor 16/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Black	117-2904●	8.03	7.55	7.23	6.51	6.28
Brown	117-2905●	8.03	7.55	7.23	6.51	6.28
Red	117-2907●	8.03	7.55	7.23	6.51	6.28
Orange	117-2908●	8.03	7.55	7.23	6.51	6.28
Yellow	117-2909●	8.03	7.55	7.23	6.51	6.28
Green	117-2910●	8.03	7.55	7.23	6.51	6.28
Blue	117-2911●	8.03	7.55	7.23	6.51	6.28
Violet	117-2912●	8.03	7.55	7.23	6.51	6.28
Grey	117-2913●	8.03	7.55	7.23	6.51	6.28
White	117-2914●	8.03	7.55	7.23	6.51	6.28
Pink	117-2915●	8.03	7.55	7.23	6.51	6.28
500m Reels						
Black	117-2916●	35.71	33.61	32.04	28.06	26.63
Brown	117-2917●	35.71	33.61	32.04	28.06	26.63
Red	117-2919●	35.71	33.61	32.04	28.06	26.63
Orange	117-2921●	35.71	33.61	32.04	28.06	26.63
Yellow	117-2922●	35.71	33.61	32.04	28.06	26.63
Green	117-2923●	35.71	33.61	32.04	28.06	26.63
Blue	117-2924●	35.71	33.61	32.04	28.06	26.63
Violet	117-2925●	35.71	33.61	32.04	28.06	26.63
Grey	117-2926●	35.71	33.61	32.04	28.06	26.63
White	117-2927●	35.71	33.61	32.04	28.06	26.63
Pink	117-2928●	35.71	33.61	32.04	28.06	26.63
Kit containing 1 of each colour (11x 100m Reels)						
Black to Pink	117-2929●	89.62	86.44	85.55	83.66	82.83

16/0.2mm Type 2 (0.5mm²) Bi-Colours

Conductor 16/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Red / Black	117-2930●	10.72	10.33	10.14	9.29	9.06
Red / Brown	117-2932●	10.72	10.33	10.14	9.29	9.06
Red / Green	117-2933●	10.72	10.33	10.14	9.29	9.06
Red / Blue	117-2934●	10.72	10.33	10.14	9.29	9.06
Orange / Black	117-2935●	10.72	10.33	10.14	9.29	9.06
Orange / Red	117-2936●	10.72	10.33	10.14	9.29	9.06
Yellow / Black	117-2937●	10.72	10.33	10.14	9.29	9.06
Yellow / Red	117-2938●	10.72	10.33	10.14	9.29	9.06
Yellow / Green	117-2939●	10.72	10.33	10.14	9.29	9.06
Green / Red	117-2940●	10.72	10.33	10.14	9.29	9.06
Violet / Red	117-2941●	10.72	10.33	10.14	9.29	9.06
Grey / Black	117-2942●	10.72	10.33	10.14	9.29	9.06
Grey / Blue	117-2944●	10.72	10.33	10.14	9.29	9.06
White / Black	117-2945●	10.72	10.33	10.14	9.29	9.06
White / Red	117-2946●	10.72	10.33	10.14	9.29	9.06
Pink / Black	117-2947●	10.72	10.33	10.14	9.29	9.06
Green / Yellow	117-2948●	10.72	10.33	10.14	9.29	9.06
Purple / Red	117-2949●	10.60	10.21	10.02	9.18	8.96
500m Reels						
Green / Yellow	117-2950●	33.72	32.76	31.11	27.07	25.13

16/0.2mm Type 3 (0.5mm²)

Conductor 16/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Black	117-2952●	12.91	11.92	11.32	10.12	9.21
Brown	117-2953●	14.20	13.11	12.45	11.13	10.13
Red	117-2954●	12.91	11.92	11.32	10.12	9.21
Orange	117-2956●	12.91	11.92	11.32	10.12	9.21
Yellow	117-2957●	12.91	11.92	11.32	10.12	9.21
Green	117-2958●	12.91	11.92	11.32	10.12	9.21
Blue	117-2959●	12.26	11.33	10.75	9.61	8.75
Violet	117-2960●	12.91	11.92	11.32	10.12	9.21
Grey	117-2961●	12.91	11.92	11.32	10.12	9.21
White	117-2962●	12.91	11.92	11.32	10.12	9.21
Pink	117-2963●	12.91	11.92	11.32	10.12	9.21
Green / Yellow	117-2964●	12.91	11.92	11.32	10.12	9.21

24/0.2mm Type 2 (0.75mm²)

Conductor 24/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Black	117-2965●	11.49	10.93	10.26	9.43	9.18
Brown	117-2966●	11.49	10.93	10.26	9.43	9.18
Red	117-2968●	11.49	10.93	10.26	9.43	9.18
Orange	117-2969●	11.49	10.93	10.26	9.43	9.18
Yellow	117-2970●	11.49	10.93	10.26	9.43	9.18
Green	117-2971●	11.49	10.93	10.26	9.43	9.18
Blue	117-2972●	11.49	10.93	10.26	9.43	9.18
Violet	117-2973●	11.49	10.93	10.26	9.43	9.18
Grey	117-2974●	11.49	10.93	10.26	9.43	9.18
White	117-2975●	11.49	10.93	10.26	9.43	9.18
Pink	117-2976●	11.49	10.93	10.26	9.43	9.18
Green / Yellow	117-2977●	11.84	11.28	10.58	9.72	9.47
Yellow / Green	117-2978●	11.48	11.23	10.64	9.45	9.32
500m Reels						
Black	117-2981●	45.54	45.01	39.91	35.41	33.39
Red	117-2982●	47.86	44.09	41.55	37.77	35.93
Blue	117-2984●	47.86	44.09	41.55	37.77	35.93
Grey	117-2985●	47.86	44.09	41.55	37.77	35.93
White	117-2986●	47.86	44.09	41.55	37.77	35.93
Pink	117-2989●	47.86	44.09	41.55	37.77	35.93

24/0.2mm Type 3 (0.75mm²)

Conductor 24/0.2mm		Price Per Reel				
Colour	Order Code	1+	5+	10+	25+	50+
100m Reels						
Black	117-2995●	11.83	11.00	10.62	10.44	10.30
Brown	117-2996●	11.83	11.00	10.62	10.44	10.30
Red	117-2997●	11.83	11.00	10.62	10.44	10.30
Orange	117-2998●	11.83	11.00	10.62	10.44	10.30
Yellow	117-2999●	11.83	11.00	10.62	10.44	10.30
Green	117-3000●	11.83	11.00	10.62	10.44	10.30
Blue	117-3001●	11.83	11.00	10.62	10.44	10.30
Violet	117-3002●	11.83	11.00	10.62	10.44	10.30
Grey	117-3003●	11.83	11.00	10.62	10.44	10.30
White	117-3004●	11.83	11.00	10.62	10.44	10.30
Green / Yellow	117-3007●	12.17	11.32	10.93	10.74	10.60
500m Reels						
Black	117-3026●	64.97	60.23	56.46	48.94	46.10
Red	117-3027●	64.97	60.23	56.46	48.94	46.10
Blue	117-3031●	64.97	60.23			

High Performance Equipment Wire - continued

Flexlite™ Wire - continued

- Double wall insulation
- High dielectric strength, 2.5KV, 5 mins
- Easy stripping and handling
- Solder iron resistant
- 600V rated
- Excellent chemical resistance
- Flexible, tough, thin wall
- Low fire hazard, **UL94V-1**, non-melting
- -45°C to +125°C
- UL recognised **Style 3584**

CSA mm ²	Conductor dia. min	Max res. @ 20°C Ω/Km	Outside dia. min	Mfrs. List No. (X = colour)
0.25	0.55	0.63	83.6	FLDWC0311-0.25-0-X
0.35	0.72	0.77	56.1	FLDWC0311-0.35-0-X
0.5	0.86	0.88	40.1	FLDWC0311-0.50-0-X
0.75	1.05	1.06	24.7	FLDWC0311-0.75-0-X
1	1.17	1.26	20	FLDWC0311-1.00-0-X
1.5	1.35	1.58	13.7	FLDWC0311-1.50-0-X
2.5	1.85	2.01	8.2	FLDWC0311-2.50-0-X

0.25mm² (19/0.127mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	797-972	Green	797-996	White	798-010
Red	797-984	Yellow	798-009	Blue	798-022

0.35mm² (19/0.15mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	798-034	Yellow	769-368	Brown	158-9435
Red	798-046	White	769-370	Grey	158-9436
Green	769-356	Blue	769-381		

0.50mm² (19/0.19mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-393	Yellow	769-423	Brown	158-9437
Red	769-400	White	769-435	Grey	158-9438
Green	769-411	Blue	769-447		

0.75mm² (19/0.23mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-459	Yellow	769-484	Brown	158-9439
Red	769-460	White	769-496	Grey	158-9440
Green	769-472	Blue	769-502		

1.00mm² (19/0.25mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-514	Yellow	769-540	Brown	158-9442
Red	769-526	White	769-551	Grey	158-9443
Green	769-538	Blue	769-563		

1.50mm² (19/0.32mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-575	Yellow	769-605	Brown	158-9444
Red	769-587	White	769-617	Grey	158-9445
Green	769-599	Blue	769-629		

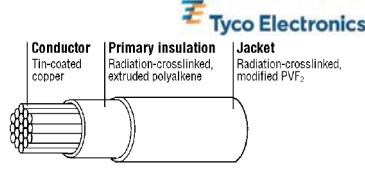
2.50mm² (19/0.41mm)

Colour	Order Code	Colour	Order Code	Colour	Order Code
Black	769-691	Yellow	769-721	Brown	158-9446
Red	769-708	White	769-733	Grey	158-9447
Green	769-710	Blue	769-745		

208175

Price Per Reel					
100m Reels	1+	5+	10+	25+	50+
0.25mm² All Colours	42.50	40.41	38.67	35.98	34.75
0.35mm² All Colours	33.61	32.46	31.13	28.78	27.80
0.50mm² All Colours	33.85	32.66	31.35	29.46	27.71
0.75mm² All Colours	44.89	41.65	39.31	36.94	35.13
1.00mm² All Colours	51.40	48.56	46.25	42.04	40.40
1.50mm² All Colours	74.32	70.71	67.69	63.16	59.07
2.50mm² All Colours	114.24	111.08	103.73	93.09	88.99

Spec 44™ Wire and Cable



- Suitable for applications where environmental conditions demand consistently reliable performance
- Voltage rating 600V
- Dual wall construction
- Soldering iron resistant +300°C (short periods)
- Operating temperature -65°C to +150°C
- Small size, light weight
- Flame retardant
- Low smoke and low corrosive gas generation
- Resistant to most chemicals

Single Primary Wire

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia	Mfrs. List No. (X = colour)
26	19/0.1mm	0.16	0.86	44A0111-26-0-X
24	19/0.127mm	0.24	1.02	44A0111-24-0-X
22	19/0.15mm	0.38	1.19	44A0111-22-0-X
20	19/0.203mm	0.62	1.4	44A0111-20-0-X
18	19/0.254mm	0.96	1.65	44A0111-18-0-X

Single Screened Primary Wire

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia	Sheath Colour	Mfrs. List No.
24	19/0.127mm	0.24	1.83	White	44A1111-24-9-9
22	19/0.15mm	0.38	2	White	44A1111-22-9-9
20	19/0.203mm	0.62	2.26	White	44A1111-20-9-9

Twin Screened Twisted Pair Cable

AWG Size	Conductor Size	CSA mm ²	Nominal Outside Dia	Sheath Colour	Conductor Colours	Mfrs. List No.
24	19/0.127mm	0.24	2.99	White	1 Black, 1 White	44A1121-24-0/9-9
24	19/0.127mm	0.24	2.99	White	1 Red, 1 Blue	44A1121-24-2/6-9
22	19/0.15mm	0.38	3.35	White	1 Black, 1 White	44A1121-22-0/9-9
22	19/0.15mm	0.38	3.35	White	1 Red, 1 Blue	44A1121-22-2/6-9
20	19/0.203mm	0.62	3.76	White	1 Black, 1 White	44A1121-20-0/9-9
20	19/0.203mm	0.62	3.76	White	1 Red, 1 Blue	44A1121-20-2/6-9

208283

100m Reels AWG (mm ²)	Colour	Order Code	Price Per Reel				
			1+	5+	10+	25+	50+
Single Primary Wire							
26	0.16	Black	139-9530●	24.76	23.68	23.31	21.98
		White	139-9531●	24.76	23.68	23.31	20.91
		Red	139-9532●	24.76	23.68	23.31	20.91
		Blue	139-9533●	23.81	22.77	22.41	21.13
24	0.24	Black	134-820●	29.76	27.98	27.08	26.22
		White	134-831●	30.95	29.10	28.17	27.27
		Red	417-5980●	31.56	29.68	28.72	27.79
		Blue	417-5992●	31.56	29.68	28.72	26.90
22	0.38	Black	134-843●	38.28	35.99	34.86	33.76
		White	134-855●	38.28	35.99	34.86	32.70
		Red	417-6005●	39.03	36.68	35.53	34.41
		Blue	417-6017●	39.03	36.68	35.53	33.34
20	0.62	Black	134-867●	44.16	41.53	40.20	38.91
		White	134-879●	44.16	41.53	40.20	37.65
		Red	417-6029●	45.02	42.34	40.98	39.67
		Blue	417-6030●	45.02	42.34	40.98	38.39
18	0.96	Black	134-880●	62.42	58.68	56.80	55.00
		White	134-892●	60.02	56.42	54.62	52.88
Single Screened Primary Wire							
24	0.24	1 Black, 1 White	417-6080●	278.50	272.94	267.47	262.13
		1 Red, 1 Blue	417-6091●	278.50	272.94	267.47	249.52
22	0.38	1 Black, 1 White	134-910●	260.84	255.62	250.50	240.59
		1 Red, 1 Blue	417-6108●	283.23	267.62	256.00	235.49
20	0.62	1 Black, 1 White	417-6110●	341.28	334.19	320.84	301.51
		1 Red, 1 Blue	417-6121●	341.28	334.19	320.84	291.59

338973

100m Reels Size	Order Code	Price Per Reel				
		1+	3+	5+	10+	25+
24AWG						

- Single wall
- Flexible, tough, thin wall, irradiated ETFE
- Lightweight/small size, handles well
- Excellent mechanical and chemical performance

- 55°C to +200°C
- 600V rated
- 200°C UL style 3557/CSA rated with VW1 flammability
- Supplied in 100m reels

Size	Number of Strands/ Diameter	Current carrying capacity- amps 30°C nominal rise	Nominal Outside Diameter
0.25mm ²	19/0.127mm	5.5	1
0.35mm ²	19/0.15mm	7.5	1.16
0.5mm ²	19/0.19mm	10	1.27
0.75mm ²	19/0.23mm	12	1.47
1mm ²	19/0.25mm	14	1.62
1.5mm ²	19/0.32mm	17	1.87

338944

Colour	Order Code	Price Per Reel	
0.25mm ²		1+	3+
Black	505-1022●	45.19	42.50
Blue	505-1046●	45.84	43.11
White	505-1058●	45.42	42.72
0.35mm ²			
Black	505-1060●	49.55	46.60
Red	505-1071●	49.55	46.60
0.50mm ²			
Black	505-1101●	64.27	60.41
Red	505-1113●	64.27	60.41
White	505-1137●	64.27	60.41
0.75mm ²			
Black	505-1149●	69.02	64.90
1.00mm ²			
Black	505-1186●	68.30	64.23
1.50mm ²			
Black	505-1228●	97.41	91.56
Red	505-1230●	97.41	91.56
White	505-1253●	97.41	91.56

H05V-K / H07V-K Single Core

The single core H05V-K / H07 V-K are flexible non-sheathed cables for internal wiring intended for installation in pipes being on, in and under plastering as well as in closed installation channels. These cables should not be used for laying directly onto racks, conduit or tubes.

- Operating temperature -30°C to 70°C max
- PVC insulation
- Bare stranded copper conductors
- Supplied on 100m reels

Size (CSA)	Diameter External (Max)	Voltage rating AC
0.5mm ²	2.1	300V
0.75mm ²	2.4	300V
1mm ²	2.6	300V
1.5mm ²	3	300V
2.5mm ²	3.7	450V

448973

Colour	Mfrs.List No.	Order Code	Price Per Reel		
			1+	5+	10+
Green / Yellow	4510001	120-4073●	6.36	5.77	5.52
Red	4510041	120-4071●	8.62	7.96	7.61
Black	4510011	120-4068●	9.71	8.94	8.58
White	4510051	120-4072●	8.82	8.13	7.80
Blue	4510021	120-4069●	9.48	8.63	8.19
Grey	4510061	128-5814●	10.25	9.50	9.08
Brown	4510031	120-4070●	8.62	7.84	7.45
Violet	4510071	128-5815●	10.25	9.50	9.08
Yellow	4510111	128-5818●	10.25	9.50	9.08
Green	4510121	128-5819●	10.25	9.50	9.08
Dark Blue	4510141	128-5820●	10.25	9.50	9.08
H05V-K, 0.5mm²					
Green / Yellow	4510002	120-4074●	12.97	11.98	11.46
Black	4510012	120-4076●	12.99	11.99	11.48
Blue	4510022	120-4077●	12.99	11.99	11.48
Brown	4510032	120-4078●	12.67	11.50	11.00
Red	4510042	120-4079●	11.81	10.90	10.44
White	4510052	120-4080●	12.99	11.99	11.48
Grey	4510062	128-5821●	13.76	12.75	12.19
Violet	4510072	120-4081●	12.99	11.99	11.48
Yellow	4510112	128-5823●	13.76	12.75	12.19
Green	4510122	128-5824●	13.76	12.75	12.19
Dark Blue	4510142	128-5825●	13.76	12.75	12.19
H05V-K, 0.75mm²					
Green / Yellow	4510002	120-4074●	12.97	11.98	11.46
Black	4510012	120-4076●	12.99	11.99	11.48
Blue	4510022	120-4077●	12.99	11.99	11.48
Brown	4510032	120-4078●	12.67	11.50	11.00
Red	4510042	120-4079●	11.81	10.90	10.44
White	4510052	120-4080●	12.99	11.99	11.48
Grey	4510062	128-5821●	13.76	12.75	12.19
Violet	4510072	120-4081●	12.99	11.99	11.48
Yellow	4510112	128-5823●	13.76	12.75	12.19
Green	4510122	128-5824●	13.76	12.75	12.19
Dark Blue	4510142	128-5825●	13.76	12.75	12.19
H05V-K, 1.0mm²					
Green / Yellow	4510003	120-4082●	16.21	14.99	14.32
Black	4510013	120-4083●	15.92	14.46	13.81
Blue	4510023	120-4084●	15.37	13.97	13.35
Red	4510043	120-4089●	14.84	13.68	13.13
Brown	4510033	120-4085●	16.33	15.05	14.44
White	4510053	120-4086●	14.47	13.15	12.56
Grey	4510063	128-5826●	17.22	15.96	15.26
Violet	4510073	120-4088●	16.33	15.05	14.44
Yellow	4510113	128-5829●	17.22	15.96	15.26
Green	4510123	128-5831●	17.22	15.96	15.26
Dark Blue	4510143	128-5832●	17.22	15.96	15.26
H07V-K, 1.5mm²					
Green / Yellow	4520001	120-4339●	22.64	20.91	20.03
Black	4520011	120-4340●	20.51	18.96	18.16
Blue	4520021	120-4341●	20.51	18.96	18.16
Brown	4520031	120-4342●	20.03	18.21	17.36
Red	4520041	120-4343●	22.56	20.86	19.97
White	4520051	128-5833●	24.05	22.30	21.31
Grey	4520061	128-5834●	24.05	22.30	21.31
Violet	4520071	128-5835●	24.05	22.30	21.31

Colour	Mfrs.List No.	Order Code	1+	5+	10+
H07V-K, 0.5mm²					
Yellow	4520111	128-5837●	24.05	22.30	21.31
Green	4520121	128-5838●	24.05	22.30	21.31
Blue	4520141	128-5839●	24.05	22.30	21.31
H07V-K, 1.5mm²					
Green / Yellow	4520002	120-4344●	36.86	34.03	32.58
Black	4520012	120-4345●	36.02	32.72	31.20
Blue	4520022	120-4346●	32.68	29.71	28.34
Brown	4520032	128-5840●	39.26	36.38	34.77
Red	4520042	120-4347●	33.51	30.94	29.62
White	4520052	128-5842●	39.26	36.38	34.77
Grey	4520062	128-5843●	39.26	36.38	34.77

PE/PVC Insulated EHT Cable

CD 13209



- Flame retardant polyethylene insulation
- Plain annealed copper wire conductor
- PVC jacket
- 25k VDC Voltage rating

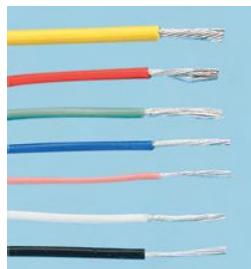
Nominal outside diameter	5.2mm	Operating temperature	-40°C to +70°C
Conductor CSA Area	0.5mm ²	Max operating voltage	2500V dc
Conductor Resistance	36.50ohm/km		

478324

Reel Size	Order Code	1+	5+	10+
25m	142-5489●	36.99	35.32	34.04

PTFE Insulated Equipment Wire

Silver Plated to BS3G210



Operating temperature -50°Cto +190°C (flexing environment)
-75°C to +200°C (static environment)

Working Voltage:	300V (Type A)	600V (Type B)	1000V (Type C)			
Colour	Reel Length	Order Code	1+	5+	10+	25+
7/0.12mm Type A						
Black	25m	118-3978●	8.44	8.01	7.61	7.22
Black	100m	118-3975●	25.10	23.84	22.65	21.51
Blue	25m	118-3980●	8.44	8.01	7.61	7.22
Blue	100m	118-3981●	25.10	23.84	22.65	21.51
Red	25m	118-3982●	8.44	8.01	7.61	7.22
Red	100m	118-3983●	25.10	23.84	22.65	21.51
Yellow	25m	118-3984●	8.44	8.01	7.61	7.22
Yellow	100m	118-3986●	8.44	8.01	7.61	7.22
White	100m	118-3987●	25.10	23.84	22.65	21.51
Green	25m	118-3988●	8.44	8.01	7.61	7.22
Green	100m	118-3991●	25.10	23.84	22.65	21.51
Pink	25m	118-3992●	8.44	8.01	7.61	7.22
Pink	100m	118-3993●	25.10	23.84	22.65	21.51
Green / Yellow	25m	NEW 163-9026●	8.65	8.21	7.80	7.40
Green / Yellow	100m	NEW 163-9027●	25.73	24.44	23.22	22.05
1/0.4mm Type A						
Black	25m	118-3994●	7.08	6.75	6.50	4.88
Black	100m	118-3995●	19.62	16.41	15.24	13.04
Blue	25m	118-3997●	24.53	21.91	19.05	16.30
Red	25m	118-3998●	7.08	6.75	6.50	4.88
Yellow	25m	118-4000●	7.08	6.75	6.50	4.88
White	25m	118-4001●	7.08	6.75	6.50	4.88
White	100m	118-4002●	24.53	21.91	19.05	16.30
Green	25m	118-4004●	7.08	6.75	6.50	4.88

PTFE Insulated Equipment Wire - continued**Silver Plated to BS3G210 - continued**

Colour	Reel Length	Order Code	Price Per Reel			
			1+	5+	10+	25+
7/0.15mm Type A						
Pink	25m	118-4018●	9.04	8.59	7.80	6.58
Pink	100m	118-4019●	31.04	28.29	24.98	22.58
Green / Yellow	25m	NEW 163-9030●	9.27	8.81	8.00	6.75
Green / Yellow	100m	NEW 163-9032●	31.82	29.00	25.61	23.15
7/0.2mm Type A						
Black	25m	118-4020●	9.20	8.54	8.17	7.70
Black	100m	118-4021●	34.29	31.17	28.45	22.75
Blue	25m	118-4022●	9.20	8.54	8.17	7.70
Blue	100m	118-4023●	34.29	31.17	28.45	22.75
Red	25m	118-4024●	9.20	8.54	8.17	7.70
Red	100m	118-4025●	34.29	31.17	28.45	22.75
Yellow	25m	118-4026●	9.20	8.54	8.17	7.70
Yellow	100m	118-4029●	34.29	31.17	28.45	22.75
White	25m	118-4030●	9.20	8.54	8.17	7.70
White	100m	118-4031●	34.29	31.17	28.45	22.75
Green	25m	118-4032●	9.20	8.54	8.17	7.70
Green	100m	118-4033●	34.29	31.17	28.45	22.75
Pink	25m	118-4034●	9.20	8.54	8.17	7.70
Pink	100m	118-4035●	34.29	31.17	28.45	22.75
Green / Yellow	25m	NEW 163-9033●	9.43	8.75	8.37	7.89
Green / Yellow	100m	NEW 163-9034●	35.15	31.95	29.16	23.32
19/0.15mm Type A						
Black	25m	118-4036●	13.55	12.25	12.01	11.76
Black	100m	118-4037●	49.51	44.89	42.40	39.99
Blue	25m	118-4038●	13.55	12.25	12.01	11.76
Blue	100m	118-4041●	39.61	35.91	31.05	23.41
Red	25m	118-4042●	13.55	12.25	12.01	11.76
Red	100m	118-4043●	49.51	44.89	42.40	39.99
Yellow	25m	118-4044●	13.55	12.25	12.01	11.76
Yellow	100m	118-4045●	49.51	44.89	42.40	39.99
White	25m	118-4046●	13.55	12.25	12.01	11.76
White	100m	118-4047●	49.51	44.89	42.40	39.99
Green	25m	118-4048●	13.55	12.25	12.01	11.76
Green	100m	118-4049●	39.61	35.91	31.05	23.41
Pink	25m	118-4050●	13.55	12.25	12.01	11.76
Pink	100m	118-4051●	49.51	44.89	42.40	39.99
Green / Yellow	25m	NEW 163-9035●	13.89	12.56	12.31	12.05
Green / Yellow	100m	NEW 163-9036●	50.75	46.01	43.46	40.99
19/0.2mm Type A						
Black	25m	118-4053●	18.28	17.15	16.29	15.14
Black	100m	118-4054●	61.99	58.50	53.32	45.26
Blue	25m	118-4055●	18.28	17.15	16.29	15.14
Blue	100m	118-4056●	61.99	58.50	53.32	45.26
Red	25m	118-4057●	18.28	17.15	16.29	15.14
Red	100m	118-4058●	61.99	58.50	53.32	45.26
Yellow	25m	118-4059●	18.28	17.15	16.29	15.14
Yellow	100m	118-4060●	61.99	58.50	53.32	45.26
White	25m	118-4061●	18.28	17.15	16.29	15.14
White	100m	118-4062●	61.99	58.50	53.32	45.26
Green	25m	118-4063●	18.28	17.15	16.29	15.14
Green	100m	118-4065●	61.99	58.50	53.32	45.26
Pink	25m	118-4066●	18.28	17.15	16.29	15.14
Pink	100m	118-4067●	61.99	58.50	53.32	45.26
Green / Yellow	25m	NEW 163-9037●	18.74	17.58	16.70	15.52
Green / Yellow	100m	NEW 163-9038●	63.54	59.96	54.65	46.39
Type A						
Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.		
7/0.12mm	0.0859mm ²	28AWG	3A	0.71mm		
1/0.4mm	0.128mm ²	26AWG	4A	0.75mm		
7/0.15mm	0.124mm ²	26AWG	4A	0.8mm		
7/0.2mm	0.22mm ²	24AWG	6A	0.95mm		
19/0.15mm	0.338mm ²	22AWG	8A	1.1mm		
19/0.2mm	0.597mm ²	20AWG	11A	1.35mm		
Type B						
Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.		
7/0.2mm	0.22mm ²	24AWG	6A	1.2mm		
19/0.15mm	0.338mm ²	22AWG	8A	1.35mm		
19/0.2mm	0.597mm ²	20AWG	11A	1.6mm		
19/0.25mm	0.933mm ²	18AWG	15A	1.85mm		
Colour						
Reel Length						
Order Code			1+	5+	10+	25+
7/0.2mm Type B						
Black	25m	118-4068●	11.67	10.80	9.25	8.78
Black	100m	118-4069●	41.12	37.27	30.93	29.38
Blue	25m	118-4070●	11.67	10.80	9.25	8.78
Blue	100m	118-4071●	41.12	37.27	30.93	29.38
Red	25m	118-4072●	8.78	7.75	6.76	5.01
Red	100m	118-4073●	41.12	37.27	30.93	29.38
Yellow	25m	118-4074●	11.67	10.80	9.25	8.78
Yellow	100m	118-4075●	41.12	37.27	30.93	29.38
White	25m	118-4077●	11.67	10.80	9.25	8.78
White	100m	118-4078●	41.12	37.27	30.93	29.38
Green	25m	118-4079●	8.78	7.75	6.76	5.01
Green	100m	118-4080●	41.12	37.27	30.93	29.38
Pink	25m	118-4081●	11.67	10.80	9.25	8.78
Pink	100m	118-4085●	41.12	37.27	30.93	29.38
Green / Yellow	25m	NEW 163-9039●	11.96	11.07	9.48	9.00
Green / Yellow	100m	NEW 163-9040●	42.15	38.20	31.70	30.12
19/0.15mm Type B						
Black	25m	118-4082●	15.00	13.41	10.86	9.87
Black	100m	118-4083●	52.25	49.50	40.08	36.80
Blue	25m	118-4084●	15.00	13.41	10.86	9.87
Blue	100m	118-4086●	52.25	49.50	40.08	36.80
Red	25m	118-4087●	12.00	10.73	8.69	6.36

Colour	Reel Length	Order Code	Price Per Reel			
			1+	5+	10+	25+
19/0.15mm Type B						
Red	100m	118-4089●	52.25	49.50	40.08	36.80
Yellow	25m	118-4091●	12.00	10.73	8.69	6.36
White	25m	118-4092●	15.00	13.41	10.86	9.87
Green	25m	118-4094●	52.25	49.50	40.08	36.80
Green	100m	118-4095●	15.00	13.41	10.86	9.87
Pink	25m	118-4097●	44.22	38.10	31.62	24.82
Green / Yellow	25m	NEW 163-9041●	15.38	13.75	11.13	10.12
Green / Yellow	100m	NEW 163-9042●	53.56	50.74	41.08	37.72
19/0.2mm Type B						
Black	25m	118-4098●	12.83	11.78	9.97	8.55
Black	100m	118-4099●	64.70	59.04	53.11	48.01
Blue	25m	118-4100●	18.33	16.83	14.24	12.86
Blue	100m	118-4101●	64.70	59.04	53.11	48.01
Red	25m	118-4102●	18.33	16.83	14.24	12.86
Red	100m	118-4103●	64.70	59.04	53.11	48.01
Yellow	25m	118-4104●	18.33	16.83	14.24	12.86
Yellow	100m	118-4105●	64.70	59.04	53.11	48.01
White	25m	118-4107●	18.33	16.83	14.24	12.86
White	100m	118-4108●	64.70	59.04	53.11	48.01
Green	25m	118-4109●	18.33	16.83	14.24	12.86
Green	100m	118-4110●	64.70	59.04	53.11	48.01
Pink	25m	118-4111●	18.33	16.83	14.24	12.86
Pink	100m	118-4112●	64.70	59.04	53.11	48.01
Green / Yellow	25m	NEW 163-9044●	18.79	17.25	14.60	13.18
Green / Yellow	100m	NEW 163-9045●	56.32	60.52	54.44	49.21

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Type C		Conductor Size (mm)	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
7/0.2mm		0.22mm ²	24AWG	6A	1.62mm	
19/0.15mm		0.338mm ²	22AWG	8A	1.67mm	
19/0.2mm		0.597mm ²	20AWG	11A	1.92mm	
Colour						
Reel Length						
Order Code			1+	5+	10+	25+
7/0.2mm Type C						
Black	25m	118-4129●	12.88	12.23	11.61	11.02
Blue	25m	118-4132●	12.88	12.23	11.61	11.02
Red	25m	118-4133●	10.72	9.52	7.77	6.33
Yellow	25m	118-4134●	12.88	12.23	11.61	11

Type A	Conductor Size	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
	7/0.12mm	0.124mm ²	26AWG	4A	0.8mm
	7/0.15mm	0.124mm ²	26AWG	4A	0.8mm
	7/0.2mm	0.2mm ²	24AWG	6A	0.95mm
	19/0.15mm	0.336mm ²	22AWG	8A	1.1mm
	19/0.20mm	0.597mm ²	20AWG	11A	1.35mm

Colour	Reel Length	Order Code	Price Per Reel		
			1+	5+	+
7/0.12mm Type A					
Black	25m	142-3342●	9.22	8.76	--
Black	100m	142-3330●	31.63	30.36	--
Red	100m	142-3333●	31.63	30.36	--
Blue	100m	142-3336●	31.63	30.36	--
Brown	25m	142-3343●	8.48	8.14	--
Brown	100m	142-3339●	31.63	30.36	--
Grey	100m	142-3341●	31.63	30.36	--
White	100m	142-3334●	31.63	30.36	--
Yellow	100m	142-3335●	31.63	30.36	--
Orange	25m	142-3346●	8.48	8.14	--
Orange	100m	142-3337●	31.63	30.36	--
Green	25m	142-3345●	8.48	8.14	--
Green	100m	142-3338●	31.63	30.36	--
Violet	100m	142-3340●	31.63	30.36	--
Pink	100m	142-3331●	31.63	30.36	--
7/0.15mm Type A					
Black	100m	142-3347●	35.74	34.31	--
Red	100m	142-3349●	35.74	34.31	--
Blue	100m	142-3351●	35.74	34.31	--
White	100m	142-3350●	35.74	34.31	--
Yellow	100m	142-3353●	35.74	34.31	--
Orange	100m	142-3357●	35.74	34.31	--
Green	100m	142-3352●	35.74	34.31	--
Violet	100m	142-3355●	35.74	34.31	--
Pink	100m	142-3348●	35.74	34.31	--
Biege/Orange	100m	142-3354●	35.74	34.31	--
7/0.2mm Type A					
Black	25m	142-3358●	9.27	8.90	--
Black	100m	142-3362●	37.10	35.62	--
Red	25m	142-3360●	9.27	8.90	--
Red	100m	142-3364●	37.10	35.62	--
Blue	100m	142-3367●	37.10	35.62	--
Brown	100m	142-3372●	37.10	35.62	--
Grey	100m	142-3374●	37.10	35.62	--
White	25m	142-3361●	9.27	8.90	--
White	100m	142-3365●	37.10	35.62	--
Yellow	100m	142-3366●	37.10	35.62	--
Orange	100m	142-3369●	37.10	35.62	--
Green	100m	142-3371●	37.10	35.62	--
Violet	100m	142-3373●	37.10	35.62	--
Pink	25m	142-3359●	9.27	8.90	--
Pink	100m	142-3363●	37.10	35.62	--
19/0.15mm Type A					
Black	100m	142-3375●	57.05	54.77	--
Red	100m	142-3377●	57.05	54.77	--
Blue	100m	142-3380●	57.05	54.77	--
Brown	100m	142-3384●	57.05	54.77	--
Grey	100m	142-3386●	57.05	54.77	--
White	100m	142-3378●	57.05	54.77	--
Yellow	100m	142-3379●	57.05	54.77	--
Orange	100m	142-3382●	57.05	54.77	--
Green	100m	142-3383●	57.05	54.77	--
Violet	100m	142-3385●	57.05	54.77	--
Pink	100m	142-3376●	57.05	54.77	--
19/0.2mm Type A					
Black	100m	142-3387●	68.42	65.68	--
Red	100m	142-3389●	68.42	65.68	--
Blue	100m	142-3392●	68.42	65.68	--
Brown	100m	142-3396●	68.42	65.68	--
Grey	100m	142-3398●	68.42	65.68	--
White	100m	142-3390●	68.42	65.68	--
Yellow	100m	142-3391●	68.42	65.68	--
Orange	100m	142-3394●	68.42	65.68	--
Green	100m	142-3395●	68.42	65.68	--
Violet	100m	142-3397●	68.42	65.68	--
Pink	100m	142-3388●	68.42	65.68	--

Type B	Conductor Size	CSA	Wire Gauge	Current Rating	Nominal Outside Dia.
	7/0.2mm	0.22mm ²	24AWG	6A	1.2mm
	19/0.15mm	0.336mm ²	22AWG	8A	1.35mm
	19/0.2mm	0.597mm ²	20AWG	11A	1.6mm

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Colour	Reel Length	Order Code	Price Per Reel		
			1+	5+	+
7/0.2mm Type B					
Black	25m	142-3399●	11.97	11.49	--
Black	100m	142-3404●	47.86	45.95	--
Red	25m	142-3402●	11.97	11.49	--
Red	100m	142-3406●	47.86	45.95	--
Blue	100m	142-3410●	47.86	45.95	--
Brown	100m	142-3413●	47.86	45.95	--
Grey	100m	142-3415●	34.55	32.82	--
White	100m	142-3407●	47.86	45.95	--
Yellow	25m	142-3403●	11.97	11.49	--
Yellow	100m	142-3408●	47.86	45.95	--
Orange	100m	142-3409●	47.86	45.95	--
Green	100m	142-3412●	47.86	45.95	--
Violet	100m	142-3414●	47.86	45.95	--
Pink	25m	142-3401●	11.97	11.49	--
Pink	100m	142-3405●	47.86	45.95	--

Colour	Reel Length	Order Code	Price Per Reel			
			1+	5+	+	+
19/0.15mm Type B						
Black	100m	142-3420●	60.50	58.08	--	--
Red	25m	142-3418●	15.12	14.52	--	--
Red	100m	142-3422●	60.50	58.08	--	--
Blue	100m	142-3427●	60.50	58.08	--	--
Brown	100m	142-3429●	60.50	58.08	--	--
Grey	100m	142-3430●	60.50	58.08	--	--
White	100m	142-3424●	60.50	58.08	--	--
Yellow	25m	142-3419●	15.12	14.52	--	--
Yellow	100m	142-3425●	60.50	58.08	--	--
Orange	100m	142-3426●	60.50	58.08	--	--
Green	100m	142-3428●	60.50	58.08	--	--
Pink	25m	142-3417●	15.12	14.52	--	--
Pink	100m	142-3421●	60.50	58.08	--	--
19/0.2mm Type B						
Black	100m	142-3431●	65.66	63.03	--	--
Red	100m	142-3433●	65.66	63.03	--	--
Blue	100m	142-3438●	65.66	63.03	--	--
Brown	100m	142-3440●	65.66	63.03	--	--
Grey	100m	142-3442●	65.66	63.03	--	--
White	100m	142-3434●	65.66	63.03	--	--
Yellow	100m	142-3436●	65.66	63.03	--	--
Orange	100m	142-3437●	65.66	63.03	--	--
Green	100m	142-3439●	65.66	63.03	--	--
Violet	100m	142-3441●	65.66	63.03	--	--
Pink	100m	142-3432●	65.66	63.03	--	--

UL Hook-Up Equipment Wire

Hook-Up Wire Kits



1

Mfrs.	List No.	Order Code	1+	5+	10+
HU-KIT-10		130-2776●	65.19	59.26	55.41
HU-KIT-20		130-2777●	61.75	57.03	53.32
HU-KIT-30		130-2778●	117.18	106.52	99.60
HU-KIT-40		130-2779●	70.53	68.62	66.82

UL1007 Hook-up Wire (CSA TR-64)



- UL recognised AWM 1007 and CSA TR-64 specification
- Tinned stranded copper conductors
- 28-16 AWG
- Operating temperature -40°C to 80°C
- Rated voltage 300V
- Colour PVC insulation
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
28AWG	7/36AWG	1.19mm	4A
24AWG	7/32AWG	1.45mm	7A
20AWG	10/30AWG	1.8mm	13A
18AWG	16/30AWG	2.03mm	18A
16AWG	26/30AWG	2.41mm	24A

UL Hook-Up Equipment Wire - continued

UL1007 Hook-up Wire (CSA TR-64) - continued

337247

		Price Per Reel	
	Order Code	Colour	1+ 5+
28 AWG			
118-2471●	White	31.54	30.18
118-2472●	Black	31.54	30.18
118-2473●	Red	31.54	30.18
118-2474●	Green	31.54	30.18
118-2475●	Yellow	31.54	30.18
118-2476●	Blue	31.54	30.18
118-2477●	Brown	31.54	30.18
118-2478●	Orange	31.54	30.18
118-2479●	Grey	31.54	30.18
118-2480●	Violet	31.54	30.18
24 AWG			
118-2482●	White	32.50	30.87
118-2483●	Black	32.50	30.87
118-2484●	Red	32.50	30.87
118-2485●	Green	32.50	30.87
118-2486●	Yellow	32.50	30.87
118-2487●	Blue	32.50	30.87
118-2488●	Brown	32.50	30.87
118-2489●	Orange	32.50	30.87
118-2490●	Grey	32.50	30.87
118-2491●	Violet	32.50	30.87
118-2492●	Green / Yellow	31.50	29.95
118-2494●	Pink	31.50	29.95
20 AWG			
118-2495●	White	47.50	45.11
118-2496●	Black	47.50	45.11
118-2497●	Red	47.50	45.11
118-2498●	Green	47.50	45.11
118-2499●	Yellow	47.50	45.11
118-2501●	Blue	47.50	45.11
118-2502●	Brown	47.50	45.11
118-2503●	Orange	47.50	45.11
118-2504●	Grey	47.50	45.11
118-2505●	Violet	47.50	45.11
118-2506●	Green / Yellow	45.95	43.50
118-2507●	Pink	52.60	48.71
18 AWG			
118-2508●	White	49.04	44.27
118-2509●	Black	49.04	44.27
118-2510●	Red	49.04	44.27
118-2512●	Green	49.04	44.27
118-2513●	Yellow	49.04	44.27
118-2514●	Blue	49.04	44.27
118-2515●	Brown	49.04	44.27
118-2516●	Orange	49.04	44.27
118-2517●	Grey	56.99	54.14
118-2518●	Violet	56.99	54.14
118-2519●	Green / Yellow	49.04	44.27
118-2520●	Pink	49.04	44.27
16 AWG			
118-2521●	White	76.50	71.83
118-2522●	Black	76.50	71.83
118-2524●	Red	76.50	71.83
118-2525●	Green	76.50	71.83
118-2526●	Yellow	76.50	71.83
118-2527●	Blue	76.50	71.83
118-2528●	Brown	76.50	71.83
118-2529●	Orange	76.50	71.83
118-2530●	Grey	76.50	71.83
118-2531●	Violet	49.17	45.26
118-2532●	Green / Yellow	73.95	70.50

UL1007 (300V, 80°C) CSA TR-64 (90°C)



pro-POWER



- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded copper conductors
- 26-16 AWG
- 80°C temperature rated
- Rated voltage 300V

Gauge	Current Rating	Conductor Size	CSA	Nominal Outside Dia
26AWG	4A	7/34AWG	0.13mm ²	1.42mm
24AWG	6A	7/32AWG	0.2mm ²	1.42mm
22AWG	8A	7/30AWG	0.336mm ²	1.57mm
20AWG	10A	7/28AWG	0.597mm ²	1.75mm
18AWG	15A	16/30AWG	0.82mm ²	2.01mm
16AWG	19A	26/30AWG	1.31mm ²	2.34mm

335998

		Price Per Reel	
	Order Code	Colour	Reel Size
26 AWG			
117-7491●	Black	304.8m	18.54 17.62
117-7492●	Red	304.8m	18.54 17.62
24 AWG			
117-7493●	Black	100m	6.40 5.93
117-7494●	Blue	100m	6.40 5.93
117-7495●	Orange	100m	6.40 5.93
117-7496●	Red	100m	6.40 5.93

Order Code	Colour	Reel Size	Price Per Reel
			1+ 5+
24 AWG			
117-7498●	White	100m	6.40 5.93
117-7499●	Yellow	100m	6.40 5.93
117-7501●	Black	304.8m	20.77 19.73
22 AWG			
117-7502●	Black	100m	9.18 8.72
117-7504●	Blue	100m	9.18 8.72
117-7505●	Red	100m	9.18 8.72
117-7506●	White	100m	9.18 8.72
117-7507●	Yellow	100m	9.18 8.72
117-7508●	Black	304.8m	27.71 26.33
117-7509●	Blue	304.8m	27.71 26.33
117-7510●	Red	304.8m	27.71 26.33
117-7512●	White	304.8m	27.71 26.33
20 AWG			
117-7513●	Black	100m	11.25 10.69
117-7514●	Red	100m	11.25 10.69
117-7516●	Blue	304.8m	30.19 28.68
117-7517●	Red	304.8m	30.19 28.68
18 AWG			
117-7518●	Black	100m	14.36 13.65
117-7519●	Brown	100m	14.36 13.65
117-7520●	Red	100m	14.36 13.65
117-7521●	White	100m	14.36 13.65
117-7522●	Yellow	100m	14.36 13.65
117-7523●	Black	304.8m	45.51 43.24
117-7524●	Red	304.8m	45.51 43.24
16 AWG			
117-7525●	Black	304.8m	67.41 64.04
117-7526●	Red	304.8m	67.41 64.04
117-7528●	Green / Yellow	304.8m	67.41 64.04

UL1015 Hook-up Wire (CSA TEW-105)



- UL recognised AWM Style 1015 and CSA TEW-105 specification
- Operating temperature -20°C to 105°C
- Tinned stranded copper conductors
- Rated voltage 600V
- PVC insulation
- 24-16 AWG
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
24AWG	7/32AWG	2.24mm	7A
22AWG	7/30AWG	2.38mm	10A
20AWG	10/30AWG	2.54mm	13A
18AWG	16/30AWG	2.85mm	18A
16AWG	26/30AWG	3.14mm	24A

Order Code	Colour	1+ 5+
119-9040●	White	29.10 27.63
119-9041●	Black	29.10 27.63
119-9042●	Red	29.10 27.63
119-9044●	Green	32.70 31.04
119-9045●	Yellow	29.10 27.63
119-9046●	Blue	32.70 31.04
119-9047●	Brown	29.10 27.63
119-9053●	White	27.63 25.99
119-9054●	Black	27.63 25.99
119-9056●	Red	27.63 25.99
119-9057●	Green	27.63 25.99
119-9058●	Yellow	27.63 25.99
119-9059●	Blue	27.63 25.99
119-9060●	Brown	42.32 40.10
119-9061●	Orange	27.63 25.99
119-9062●	Grey	42.32 40.10
119-9063●	Violet	42.32 40.10
119-9064●	Green / Yellow	27.63 25.99
119-9066●	White	38.34 36.44
119-9068●	Black	38.34 36.44
119-9069●	Red	38.34 36.44
119-9070●	Green	33.24 31.27
119-9071●	Yellow	38.34 36.44
119-9072●	Blue	38.34 36.44
119-9073●	Brown	33.24 31.27
119-9074●	Orange	38.34 36.44
119-9075●	Grey	38.34 36.44
119-9076●	Violet	33.24 31.27
119-9077●	Green / Yellow	33.24 31.27
119-9081●	White	51.27 48.23
119-9082●	Black	44.71 42.45
119-9083●	Red	51.27 48.23
119-9084●	Green	51.27 48.23
119-9085●	Yellow	51.27 48.23
119-9086●	Blue	51.27 48.23
119-9087●	Brown	51.27 48.23
119-9088●	Orange	51.27 48.23
119-9089●	Grey	51.27 48.23
119-9093●	Green / Yellow	51.27 48.23

Order Code	Colour	Price Per Reel	
		1+	5+
16 AWG			
118-2544●	White	69.83	68.18
118-2545●	Black	69.83	68.18
118-2546●	Red	69.83	68.18
118-2548●	Green	69.83	68.18
118-2549●	Yellow	69.83	68.18
118-2550●	Blue	69.83	68.18
118-2551●	Brown	69.83	68.18
118-2552●	Orange	69.83	68.18
118-2553●	Grey	69.83	68.18
118-2556●	Green / Yellow	69.83	68.18

Machine Tool & Panel Wire

UL-CSA-HAR style 1015



The Multiple Standard Hook Up Wire are UL, CSA and HAR(VDE) approved and are intended for the wiring of control cabinets. Used extensively for the wiring of Industrial Machinery acc. to NFPA 79 these wires are resistant against oils, acids and caustics solutions at room temperature.

- UL recognised AWM style 1015, CSA and HAR approved
- Operating temperature -40°C to 105°C max
- Tinned stranded copper conductors
- PVC insulation
- Supplied on 100m reels

Size (CSA)	Gauge (AWG)	Current carrying capacity-amps 30°C nominal rise	Nominal Outside Diameter
0.5mm ²	22	9	2.5mm
0.75mm ²	20	12	2.7mm
1mm ²	18	15	2.9mm
1.5mm ²	16	18	3.1mm
2.5mm ²	14	26	3.7mm

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Colour	Order Code	Price Per Reel		
		1+	5+	10+
0.5mm²				
Green / Yellow	128-5709●	19.92	17.53	15.93
Black	120-4249●	20.31	--	--
Blue	120-4251●	20.31	--	--
Brown	120-4252●	20.31	--	--
Grey	128-5710●	19.92	17.53	15.93
Dark Blue	128-5712●	19.92	17.53	15.93
0.75mm²				
Green / Yellow	128-5714●	20.35	17.91	16.28
Black	120-4255●	29.23	--	--
Blue	120-4256●	29.96	--	--
Brown	128-5715●	25.95	22.84	20.76
Grey	128-5716●	25.95	22.84	20.76
Dark Blue	128-5717●	25.95	22.84	20.76
1mm²				
Green / Yellow	128-5719●	32.30	28.43	25.84
Black	120-4259●	36.93	--	--
Blue	120-4260●	36.93	--	--
Brown	128-5720●	32.30	28.43	25.84
Grey	128-5721●	32.30	28.43	25.84
Dark Blue	128-5722●	32.30	28.43	25.84
1.5mm²				
Green / Yellow	120-4262●	54.05	--	--
Black	120-4263●	54.05	--	--
Blue	120-4264●	52.73	--	--
Brown	128-5723●	42.04	37.01	33.62
Red	120-4265●	54.05	--	--
2.5mm²				
Green / Yellow	128-5726●	64.47	56.74	51.57
Black	120-4266●	81.87	--	--
Blue	128-5727●	64.47	56.74	51.57
Brown	128-5728●	64.47	56.74	51.57
Grey	128-5729●	64.47	56.74	51.57

336033

UL1015 (600V, 105°C) Listed CSA TEW

- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded or solid copper conductors
- 22-10 AWG
- 105°C temperature rated
- Rated voltage 600V

Current Rating	Current Rating	Conductor Size	CSA	Nominal Outside Dia
22AWG	10A	7/30AWG	0.336mm ²	2.36mm
20AWG	13A	10/30AWG	0.597mm ²	2.54mm
18AWG	18A	16/30AWG	0.82mm ²	2.79mm
16AWG	24A	26/30AWG	1.31mm ²	3.12mm
14AWG	33A	41/30AWG	2.08mm ²	3.51mm
12AWG	45A	65/30AWG	3.02mm ²	4.01mm
10AWG	58A	105/30AWG	5.56mm ²	4.65mm

336033

Order Code	Colour	Reel Size	Price Per Reel	
			1+	5+
22 AWG				
117-7529●	Black	100m	10.36	9.57
117-7530●	Blue	100m	10.36	9.57
117-7531●	Brown	100m	10.36	9.57
117-7532●	Green	100m	10.10	9.48
117-7533●	Red	100m	10.36	9.57
117-7534●	White	100m	10.36	9.57
20 AWG				
117-7535●	Blue	100m	13.80	12.85
117-7536●	Brown	100m	13.80	12.85
117-7537●	Red	100m	13.80	12.85
117-7538●	Green / Yellow	100m	13.80	12.85
117-7541●	Black	304.8m	32.51	31.41
18 AWG				
117-7543●	Black	100m	14.98	14.01
117-7544●	Blue	100m	14.98	14.01
117-7545●	Brown	100m	14.98	14.01
117-7546●	Red	100m	14.98	14.01
117-7547●	White	100m	14.98	14.01
117-7548●	Yellow	100m	14.98	14.01
117-7549●	Green / Yellow	100m	17.21	14.47
117-7551●	Black	304.8m	38.29	36.86
16 AWG				
117-7553●	Black	100m	25.42	23.86
117-7554●	Blue	100m	25.42	23.86
117-7555●	Brown	100m	25.42	23.86
117-7556●	Red	100m	25.42	23.86
117-7557●	Black	152.4m	33.79	32.24
117-7558●	Red	152.4m	33.79	32.24
117-7559●	White	152.4m	33.79	32.24
14 AWG				
117-7560●	White	152.4m	57.78	54.73
12 AWG				
117-7561●	Black	100m	62.25	59.85
117-7562●	Red	100m	64.27	61.79
10 AWG				
117-7563●	Black	152.4m	115.34	109.40

UL1061 Hook-up Wire (CSA TR-64)

- UL recognised AWM 1061 and CSA TR-64 specification
- Operating temperature -10°C to 80°C
- Tinned stranded copper conductors
- Rated voltage 300V
- Semi-Rigid PVC insulation
- 28-20 AWG
- Supplied in 305m reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current	
			6A	8A
24 AWG				
24AWG	7/32AWG	1.07mm	24.66	23.45
22AWG	7/30AWG	1.22mm	24.66	23.45
22 AWG				
119-9014●	White	34.60	32.99	
119-9015●	Black	34.60	32.99	
119-9017●	Red	34.60	32.99	
119-9019●	Green	34.60	32.99	
119-9021●	Yellow	34.60	32.99	
119-9022●	Blue	29.78	28.39	
119-9023●	Brown	34.60	32.99	
119-9024●	Orange	29.78	28.39	
119-9025●	Grey	34.60	32.99	
20 AWG				
119-9028●	White	42.23	40.41	
119-9029●	Black	42.23	40.41	
119-9030●	Red	42.23	40.41	
119-9033●	Yellow	42.23	40.41	
119-9035●	Brown	42.23	40.41	
119-9036●	Orange	42.23	40.41	
119-9037●	Grey	42.23	40.41	

UL Hook-Up Equipment Wire - continued

UL1061 (300V, 80°C) CSA SR-PVC

- UL listed and CSA certified hook-up (equipment) wire
- Tinned stranded or solid copper conductors
- 26 - 18 AWG

- 80°C temperature rated
- Rated voltage 300V

Current Rating	Conductor Size	CSA	Nominal Outside Dia
26AWG 4A	7/34AWG	0.13mm²	0.99mm
24AWG 6A	7/32AWG	0.2mm²	1.12mm
22AWG 8A	7/30AWG	0.336mm²	1.27mm
20AWG 10A	7/28AWG	0.597mm²	1.45mm
18AWG 15A	16/30AWG	0.82mm²	1.7mm

336049

Order Code	Colour	Reel Size	Price Per Reel	
			1+	5+
26 AWG				
117-7584●	Black	304.8m	20.80	19.20
117-7585●	Grey	304.8m	20.80	19.20
117-7586●	White	304.8m	20.80	19.20
24 AWG				
117-7587●	Black	100m	8.48	8.19
117-7589●	Blue	100m	8.48	8.19
117-7591●	Orange	100m	8.48	8.19
117-7592●	Green	100m	8.48	8.19
117-7593●	Grey	100m	8.48	8.19
117-7594●	Red	100m	8.48	8.19
117-7595●	Violet	100m	8.48	8.19
117-7596●	Yellow	100m	8.48	8.19
117-7597●	White	100m	8.48	8.19
22 AWG				
117-7598●	Black	100m	10.56	9.91
117-7599●	Blue	100m	10.56	9.91
117-7600●	Brown	100m	10.56	9.91
117-7601●	Green	100m	10.56	9.91
117-7602●	Grey	100m	10.56	9.91
117-7605●	Orange	100m	10.56	9.91
117-7607●	Red	100m	10.56	9.91
117-7609●	White	100m	10.56	9.91
117-7610●	Yellow	100m	10.56	9.91
117-7611●	Black	304.8m	27.38	25.86
20 AWG				
117-7612●	Black	100m	12.08	11.24
117-7613●	Blue	100m	12.08	11.24
117-7615●	Grey	100m	9.66	9.00
117-7616●	Red	100m	12.08	11.24
117-7617●	White	100m	12.08	11.24
117-7621●	Violet	100m	12.08	11.24
117-7622●	Yellow	100m	12.08	11.24
117-7623●	Green / Yellow	100m	12.08	11.24
18 AWG				
117-7624●	Black	100m	17.92	16.77
117-7625●	Blue	100m	17.92	16.77
117-7626●	Brown	100m	17.92	16.77
117-7627●	Grey	100m	17.92	16.77
117-7628●	Red	100m	17.92	16.77
117-7629●	White	100m	17.92	16.77
117-7630●	Yellow	100m	17.92	16.77
117-7632●	Green / Yellow	100m	19.81	18.71

UL1213 TFE Teflon® Hook-up Wire

- UL recognised AWM Style 1213 and MIL-W-16878E Type E specification
- TFE Teflon insulation for exceptional toughness and flexibility
- Operating temperature -60°C to 200°C
- Silver-Plated copper stranded conductors
- Rated voltage 600V
- 30-18 AWG
- Supplied in 100ft or 1000ft reels

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
30AWG	7/38AWG	0.81mm	4A
28AWG	7/36AWG	0.91mm	6A
26AWG	7/34AWG	1.02mm	7A

337260

Colour	Order Code	Price Per Reel 30.5m		Order Code	Price Per Reel 304.8m	
		1+	5+		1+	5+
30 AWG						
White	119-9095●	8.73	8.29	161-9594●	122.99	116.85
Black	119-9096●	8.73	8.29	161-9595●	122.99	116.85
Red	119-9097●	8.73	8.29	161-9596●	122.99	116.85
Green	119-9098●	8.73	8.29	161-9598●	122.99	116.85
Yellow	119-9099●	8.73	8.29	161-9599●	122.99	116.85
Blue	119-9100●	8.73	8.29	161-9600●	122.99	116.85
Brown	119-9101●	8.73	8.29	161-9601●	122.99	116.85
Orange	119-9102●	8.73	8.29	161-9602●	122.99	116.85
Grey	119-9103●	8.73	8.29	161-9604●	122.99	116.85
Violet	119-9104●	8.73	8.29	161-9605●	122.99	116.85

Colour	Order Code	Price Per Reel 30.5m		Order Code	Price Per Reel 304.8m	
		1+	5+		1+	5+
28 AWG						
White	119-9105●	9.74	9.25	NEW 161-9606●	134.24	127.53
Black	119-9106●	9.74	9.25	NEW 161-9607●	134.24	127.53
Red	119-9107●	9.74	9.25	NEW 161-9608●	134.24	127.53
Green	119-9108●	9.74	9.25	NEW 161-9609●	134.24	127.53
Yellow	119-9111●	9.74	9.25	NEW 161-9610●	134.24	127.53
Blue	119-9112●	9.74	9.25	NEW 161-9611●	134.24	127.53
Brown	119-9113●	9.74	9.25	NEW 161-9612●	134.24	127.53
Orange	119-9114●	9.74	9.25	NEW 161-9613●	134.24	127.53
Grey	119-9115●	9.74	9.25	NEW 161-9614●	134.24	127.53
Violet	119-9116●	9.74	9.25	NEW 161-9616●	134.24	127.53
26 AWG						
White	NEW 161-9617●	136.02	129.23			
Black	NEW 161-9618●	136.02	129.23			
Red	NEW 161-9619●	136.02	129.23			
Green	NEW 161-9620●	136.02	129.23			
Yellow	NEW 161-9621●	136.02	129.23			
Blue	NEW 161-9622●	136.02	129.23			
Brown	NEW 161-9623●	136.02	129.23			
Orange	NEW 161-9624●	136.02	129.23			
Grey	NEW 161-9625●	136.02	129.23			
Violet	NEW 161-9626●	136.02	129.23			
24 AWG						
White	119-9117●	10.95	10.37	NEW 161-9628●	144.74	137.50
Black	119-9118●	10.95	10.37	NEW 161-9629●	144.74	137.50
Red	119-9119●	10.95	10.37	NEW 161-9630●	144.74	137.50
Green	119-9120●	10.95	10.37	NEW 161-9631●	144.74	137.50
Yellow	119-9121●	10.95	10.37	NEW 161-9632●	144.74	137.50
Blue	119-9123●	10.95	10.37	NEW 161-9633●	144.74	137.50
Brown	119-9124●	10.95	10.37	NEW 161-9634●	144.74	137.50
Orange	119-9125●	10.95	10.37	NEW 161-9635●	144.74	137.50
Grey	119-9126●	10.95	10.37	NEW 161-9636●	144.74	137.50
Violet	119-9127●	10.95	10.37	NEW 161-9637●	144.74	137.50
20 AWG						
White	119-9128●	15.68	14.89	NEW 161-9638●	258.28	245.36
Black	119-9130●	15.68	14.89	NEW 161-9641●	258.28	245.36
Red	119-9131●	15.68	14.89	NEW 161-9642●	258.28	245.36
Green	119-9132●	26.98	25.63	NEW 161-9643●	258.28	245.36
Yellow	119-9133●	15.68	14.89	NEW 161-9645●	258.28	245.36
Blue	119-9135●	15.68	14.89	NEW 161-9646●	258.28	245.36
Brown	119-9136●	15.68	14.89	NEW 161-9647●	258.28	245.36
Orange	119-9137●	15.68	14.89	NEW 161-9648●	258.28	245.36
Grey	119-9138●	15.68	14.89	NEW 161-9649●	258.28	245.36
Violet	119-9150●	15.68	14.89	NEW 161-9650●	258.28	245.36
18 AWG						
White	119-9140●	20.33	19.31	NEW 161-9651●	333.24	316.58
Black	119-9141●	20.33	19.31	NEW 161-9652●	333.24	316.58
Red	119-9142●	20.33	19.31	NEW 161-9654●	333.24	316.58
Green	119-9143●	20.33	19.31	NEW 161-9655●	333.24	316.58
Yellow	119-9144●	20.33	19.31	NEW 161-9656●	333.24	316.58
Blue	119-9145●	20.33	19.31	NEW 161-9657●	333.24	316.58
Brown	119-9147●	20.33	19.31	NEW 161-9658●	333.24	316.58
Orange	119-9148●	20.33	19.31	NEW 161-9659●	333.24	316.58
Grey	119-9149●	20.33	19.31	NEW 161-9660●	333.24	316.58
Violet	119-9150●	20.33	19.31	NEW 161-9661●	333.24	316.58

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		Price Per Reel	
Order Code	Colour	1+	5+
24 AWG (7/32AWG)			
161-9483●	White	73.32	70.38
161-9484●	Black	73.32	70.38
161-9485●	Red	73.32	70.38
161-9486●	Green	73.32	70.38
161-9487●	Yellow	73.32	70.38
161-9488●	Blue	73.32	70.38
161-9489●	Brown	73.32	70.38
161-9490●	Orange	73.32	70.38
161-9491●	Grey	73.32	70.38
161-9492●	Violet	73.32	70.38
24 AWG (9/36AWG)			
161-9493●	White	78.27	75.14
161-9495●	Black	78.27	75.14
161-9496●	Red	78.27	75.14
161-9497●	Green	78.27	75.14
161-9498●	Yellow	78.27	75.14
161-9499●	Blue	78.27	75.14
161-9501●	Brown	78.27	75.14
161-9502●	Orange	78.27	75.14
161-9503●	Grey	78.27	75.14
161-9504●	Violet	76.64	73.58
22 AWG (7/30AWG)			
161-9505●	White	76.64	73.58
161-9506●	Black	76.64	73.58
161-9507●	Red	76.64	73.58
161-9508●	Green	76.64	73.58
161-9509●	Yellow	76.64	73.58
161-9510●	Blue	76.64	73.58
161-9511●	Brown	76.64	73.58
161-9513●	Orange	76.64	73.58
161-9514●	Grey	76.64	73.58
161-9515●	Violet	76.64	73.58
22 AWG (19/34AWG)			
161-9516●	White	81.63	78.37
161-9517●	Black	81.63	78.37
161-9518●	Red	81.63	78.37
161-9519●	Green	81.63	78.37
161-9520●	Yellow	81.63	78.37
161-9521●	Blue	81.63	78.37
161-9522●	Brown	81.63	78.37
161-9523●	Orange	81.63	78.37
161-9525●	Grey	81.63	78.37
161-9526●	Violet	81.63	78.37
20 AWG (19/32AWG)			
161-9527●	White	104.95	100.75
161-9528●	Black	104.95	100.75
161-9529●	Red	104.95	100.75
161-9530●	Green	104.95	100.75
161-9531●	Yellow	104.95	100.75
161-9532●	Blue	104.95	100.75
161-9533●	Brown	104.95	100.75
161-9534●	Orange	104.95	100.75
161-9535●	Grey	104.95	100.75
161-9537●	Violet	104.95	100.75

UL1430 Hook-up Wire (CSA REW XLPVC)

- UL recognised AWM 1430
- Tinned stranded copper conductors
- 24-18 AWG
- Operating temperature -55°C to +105°C
- Rated voltage 300V
- Colour-Coded, Irradiated PVC insulation
- Supplied in 304.8m reels

Irradiated PVC Insulated hook-up wire is exposed to controlled electron beam radiation which results in an insulation far superior to ordinary PVC. XLPVC withstands higher temperatures than ordinary PVC. Because of its ability to resist solder iron heat; it is the ideal material to use where high reliability is essential and particularly valuable in the wiring of tight, high density systems. XLPVC is tougher than ordinary PVC resulting in greatly improved abrasion and cut through resistance.

Gauge	Conductor Strand	Nominal Outside Dia	Maximum Current
24AWG	7/32AWG	1.42mm	7A
22AWG	7/30AWG	1.58mm	10A
20AWG	7/28AWG	1.75mm	13A
18AWG	7/26AWG	2.08mm	18A

515485

		Price Per Reel	
Order Code	Colour	1+	5+
24 AWG			
161-9428●	White	89.95	86.35
161-9429●	Black	89.95	86.35
161-9430●	Red	89.95	86.35
161-9431●	Green	89.95	86.35
161-9432●	Yellow	89.95	86.35
161-9434●	Blue	89.95	86.35
161-9435●	Brown	89.95	86.35
161-9436●	Orange	89.95	86.35
161-9437●	Grey	89.95	86.35
161-9438●	Violet	89.95	86.35

		Price Per Reel	
Order Code	Colour	1+	5+
22 AWG			
161-9439●	White	108.28	103.95
161-9440●	Black	108.28	103.95
161-9441●	Red	108.28	103.95
161-9442●	Green	108.28	103.95
161-9443●	Yellow	108.28	103.95
161-9444●	Blue	108.28	103.95
161-9445●	Brown	108.28	103.95
161-9447●	Orange	108.28	103.95
161-9448●	Grey	108.28	103.95
20 AWG			
161-9449●	White	124.95	119.95
161-9450●	Black	124.95	119.95
161-9451●	Red	124.95	119.95
161-9452●	Green	124.95	119.95
161-9453●	Yellow	124.95	119.95
161-9454●	Blue	124.95	119.95
161-9455●	Brown	124.95	119.95
161-9456●	Orange	124.95	119.95
161-9458●	Grey	124.95	119.95
161-9459●	Violet	124.95	119.95
18 AWG			
161-9460●	White	156.60	150.33
161-9461●	Black	156.60	150.33
161-9462●	Red	156.60	150.33
161-9463●	Green	156.60	150.33
161-9464●	Yellow	156.60	150.33
161-9465●	Blue	156.60	150.33
161-9466●	Brown	156.60	150.33
161-9467●	Orange	156.60	150.33
161-9468●	Grey	156.60	150.33
161-9471●	Violet	156.60	150.33

UL1569 (300V, 105°C) CSA TR-64 (90°C)

- UL listed and CSA certified hook-up (equipment) wire
- 24-18 AWG
- 105°C temperature rated
- Rated voltage 300V

Current Rating	Conductor Size	CSA	Nominal Outside Dia
24AWG	7A	7/32AWG	0.2mm²
22AWG	10A	7/30AWG	0.336mm²
20AWG	13A	7/28AWG	0.597mm²
18AWG	18A	16/30AWG	0.82mm²

336047

		Price Per Reel	
Order Code	Colour	Reel Size	1+ 5+
24 AWG			
117-7565●	Black	304.8m	17.02 15.98
117-7566●	Blue	304.8m	17.02 15.98
117-7567●	Red	304.8m	17.02 15.98
22 AWG			
117-7568●	Black	304.8m	25.00 23.75
117-7569●	Blue	304.8m	25.00 23.75
117-7570●	Brown	304.8m	25.00 23.75
117-7571●	Green	304.8m	25.00 23.75
117-7572●	Grey	304.8m	25.00 23.75
117-7573●	Orange	304.8m	25.00 23.75
117-7574●	Red	304.8m	25.00 23.75
117-7575●	Violet	304.8m	25.00 23.75
117-7577●	White	304.8m	25.00 23.75
20 AWG			
117-7578●	Black	304.8m	29.39 27.92
117-7580●	Red	304.8m	29.39 27.92
18 AWG			
117-7581●	Black	304.8m	41.30 39.23
117-7582●	Blue	304.8m	41.30 39.23
117-7583●	Red	304.8m	41.30 39.23

Equipment Wire 2491X / 2491B

Stranded, PVC insulated copper wires ideal for use within appliances, light fittings and control panels etc. Where the combination of ambient temperature and temperature rise, due to load, results in a temperature not exceeding 70°C.

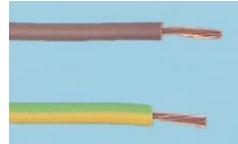
Current Rating	Conductor Size	CSA	Nominal Wall Thickness	Nominal Outside Dia
300/500 Volts				
3A	16/0.2mm	0.5mm²	0.6mm	2.5mm
6A	24/0.2mm	0.75mm²	0.6mm	2.7mm
10A	32/0.2mm	1mm²	0.6mm	2.8mm
450/750 Volts				
16A	30/0.25mm	1.5mm²	0.7mm	3.4mm
25A	50/0.25mm	2.5mm²	0.8mm	4.1mm



Equipment Wire 2491X / 2491B - continued**2491X Single Core Flexible - continued**

336159

Colour	Order Code	Price Per Reel 1+	Price Per Reel 5+
3A (0.5mm²)			
Black	117-7738●	8.15	7.42
Blue	117-7739●	8.15	7.42
Brown	117-7740●	8.15	7.42
Red	117-7741●	8.15	7.42
White	117-7742●	8.15	7.42
Yellow	117-7743●	8.15	7.42
Green / Yellow	117-7744●	8.15	7.42
6A (0.75mm²)			
Black	117-7745●	10.46	9.69
Blue	117-7747●	10.46	9.69
Brown	117-7748●	10.46	9.69
Red	117-7749●	10.46	9.69
White	117-7750●	10.46	9.69
Yellow	117-7751●	10.46	9.69
Green / Yellow	117-7752●	10.46	9.69
10A (1.0mm²)			
Black	117-7753●	12.81	12.41
Blue	117-7754●	12.81	12.41
Brown	117-7755●	12.81	12.41
Red	117-7756●	12.81	12.41
White	117-7757●	12.81	12.41
Yellow	117-7759●	12.81	12.41
Green / Yellow	117-7761●	12.81	12.41
16A (1.5mm²)			
Black	117-7762●	19.54	18.03
Blue	117-7763●	19.54	18.03
Brown	117-7764●	19.54	18.03
Red	117-7765●	19.54	18.03
White	117-7766●	19.54	18.03
Yellow	117-7767●	19.54	18.03
Green / Yellow	117-7768●	19.54	18.03
25A (2.5mm²)			
Black	117-7769●	31.20	30.18
Blue	117-7770●	31.20	30.18
Brown	117-7772●	31.20	30.18
Red	117-7773●	31.20	30.18
White	117-7774●	24.14	23.36
Yellow	117-7775●	30.18	29.20
Green / Yellow	117-7776●	31.20	30.18

2491B Single Core Flexible

- Conductors: Annealed copper insulation
- Type El.5 Low smoke zero halogen, thermosetting insulation
- Temp Rating: 90°C Max conductor operating temperature
- Voltage Rating: 2491B 300/500V (0.5 to 1.0mm)
- Voltage Rating: 2491B 450/750V (1.5 to 10.0mm)

Flexible single core cable with low smoke zero halogen insulation, for internal wiring of appliances with maximum operating temperatures of 90°C.

Conductor CSA	Conductor Size	Conductor Resistance ohms/Km. @ 20°C	Nominal Outside Dia
0.5mm ²	16/0.2mm	39.0	2.12mm
0.75mm ²	24/0.2mm	26.0	2.33mm
1mm ²	32/0.2mm	19.5	2.48mm
1.5mm ²	30/0.25mm	13.3	2.98mm
2.5mm ²	50/0.25mm	7.98	3.63mm
6mm ²	84/0.3mm	3.30	5mm
10mm ²	80/0.4mm	1.91	6.4mm

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100m Reels Colour	Order Code	Price Per Reel 1+	Price Per Reel 3+
0.5mm²			
Brown	146-5918●	13.74	12.65
Blue	146-5919●	13.74	12.65
Black	146-5920●	13.74	12.65
Green / Yellow	146-5921●	13.74	12.65
0.75mm²			
Brown	146-5923●	16.83	16.00
Blue	146-5924●	16.83	16.00
Black	146-5925●	16.83	16.00
Green / Yellow	146-5926●	16.83	16.00
1.0mm²			
Brown	146-5927●	20.40	19.25
Blue	146-5928●	20.40	19.25
Black	146-5929●	20.40	19.25
Green / Yellow	146-5930●	20.40	19.25
1.5mm²			
Brown	146-5931●	26.56	25.07
Blue	146-5932●	26.56	25.07
Black	146-5933●	26.56	25.07
Green / Yellow	146-5935●	26.56	25.07
2.5mm²			
Brown	146-5936●	47.82	45.61
Blue	146-5937●	47.82	45.61
Black	146-5938●	47.82	45.61
Green / Yellow	146-5939●	47.82	45.61

100m Reels Colour	Order Code	Price Per Reel 1+	Price Per Reel 3+
6.0mm²			
Blue	146-5941●	131.76	126.66
Black	146-5942●	131.76	126.66
Green / Yellow	146-5943●	131.76	126.66
10.0mm²			
Brown	146-5944●	216.19	209.68
Blue	146-5945●	216.19	209.68
Black	146-5947●	216.19	209.68
Green / Yellow	146-5948●	216.19	209.68

Switchgear Wire**Switchgear Wire (BK & CK) to BS6231**

- PVC insulated plain annealed copper conductors to BS6231
- Maximum temperature ambient plus load: BK 70°C, CK 80°C (CK types however can be used up to 105°C where there is no flexing or mechanical stress)
- Minimum temperature once installed: BK -20°C, CK -15°C
- Voltage rating: 600/1000V

Flexible switchgear and control wire, applications include the wiring of switch or control panels and in motor starters and controllers.

Current Rating	Conductor Size	CSA	Nominal Wall Thickness	Nominal Outside Dia
17A	32/0.2mm	1mm ²	0.8mm	3.4mm
22A	30/0.25mm	1.5mm ²	0.8mm	3.7mm
29A	50/0.25mm	2.5mm ²	0.8mm	4.2mm
39A	56/0.3mm	4mm ²	0.8mm	4.8mm
50A	84/0.3mm	6mm ²	0.8mm	6.3mm
68A	80/0.4mm	10mm ²	0.8mm	7.6mm
91A	126/0.4mm	16mm ²	0.8mm	8.8mm
120A	196/0.4mm	25mm ²	0.8mm	11mm
167A	276/0.4mm	35mm ²	0.8mm	12.5mm

100m Reels Colour	Order Code	Price Per Reel 1+	Price Per Reel 5+
17A Type BK			
Black	117-9155●	17.83	17.21
Red	117-9156●	17.83	17.21
22A Type CK			
Black	117-9157●	24.38	22.25
Blue	117-9158●	24.38	22.25
Red	117-9161●	24.38	22.25
Green / Yellow	117-9162●	24.38	22.25
29A Type CK			
Black	117-9163●	34.72	31.40
Blue	117-9164●	34.72	31.40
Red	117-9165●	34.72	31.40
Green / Yellow	117-9167●	34.72	31.40
22A Type BK			
Black	117-9168●	24.92	23.80
Green	117-9169●	24.92	23.80
Red	117-9170●	24.92	23.80
Green / Yellow	117-9171●	24.92	23.80
29A Type BK			
Black	117-9173●	36.03	32.47
Blue	117-9174●	36.03	32.47
Red	117-9175●	36.03	32.47
Green / Yellow	117-9176●	36.03	32.47
39A Type BK			
Black	117-9177●	49.32	44.68
Red	117-9178●	50.86	46.07
Green / Yellow	117-9179●	50.86	46.07
50A Type BK			
Black	117-9180●	70.11	67.17
Blue	117-9181●	70.11	67.17
Red	117-9182●	70.11	67.17
Green / Yellow	117-9183●	70.11	67.17
68A Type BK			
Black	117-9185●	108.03	102.63
Red	117-9186●	108.03	102.63
Green / Yellow	117-9187●	108.03	102.63
91A Type BK			
Black	117-9188●	88.23	83.81
Red	117-9189●	88.23	83.81
Green / Yellow	117-9190●	79.41	75.43
120A Type BK			
Black	117-9191●	137.33	130.46
Red	117-9192●	123.60	117.42
167A Type BK			
Black	117-9194●	174.69	169.30

25m Reels Colour	Order Code	Price Per Reel 1+	Price Per Reel 5+
50A Type BK			
Black	117-9195●	20.80	19.75
Blue	117-9197●	20.80	19.75
Red	117-9198●	20.80	19.75
Yellow	117-9199●	20.80	19.75
Green / Yellow	117-9200●	18.25	17.53



		Price Per Reel	
		1+	5+
25m Reels			
Colour	Order Code	1+	5+
68A Type BK			
Black	117-9201●	33.01	31.36
Red	117-9204●	33.01	31.36
91A Type BK			
Black	117-9207●	44.73	42.49
Red	117-9209●	44.73	42.49
120A Type BK			
Black	117-9212●	68.20	64.79
Blue	117-9213●	61.38	58.31

Switchgear Wire Type BU (BS6231)

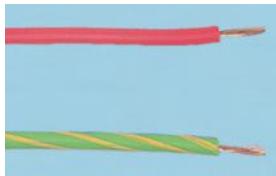
- Switchgear and control wire to BS6231
- Plain annealed copper solid conductor
- Flexible PVC sheath
- Reel length 100m

Voltage rating	600 V (conductors to earth) 1000V (between conductors)	Current Rating (in free air)	Conductor Size (mm)	Nominal Outside Dia
CSA				
1mm ²	15A		1/1.13mm	3.2mm
1.5mm ²	20A		1/1.38mm	3.5mm
2.5mm ²	28A		1/1.78mm	3.9mm

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Colour	Order Code	Price Per Reel	
		1+	5+
1.0mm²			
Black	146-5902●	20.22	19.81
Blue	146-5903●	20.22	19.81
Red	146-5904●	20.22	19.81
Green / Yellow	146-5905●	20.22	19.81
1.5mm²			
Black	146-5906●	23.51	22.52
Blue	146-5907●	23.51	22.52
Green / Yellow	146-5911●	23.51	22.52
2.5mm²			
Black	146-5912●	38.60	37.48
Blue	146-5913●	38.60	37.48
Red	146-5914●	38.60	37.48
Green / Yellow	146-5915●	38.60	37.48

374714.403599

Tri-Rated Control & Switchgear Wire**Tri-Rated Control & Switchgear Wire**

Applications include wiring of switch, control, metering, relay and instrument panels of power switchgear and for such purposes as internal connections in rectifier equipment and in motor starters and controllers.

Current Rating	Conductor Size	Nominal Outside Dia	Current Rating	Conductor Size	Nominal Outside Dia
10A	16/0.2mm	0.5mm ²	2.6mm	41A	56/0.3mm
13A	24/0.2mm	0.75mm ²	2.8mm	53A	84/0.3mm
18A	32/0.2mm	1mm ²	3mm	75A	80/0.4mm
22A	30/0.25mm	1.5mm ²	3.3mm	100A	126/0.4mm
31A	50/0.24mm	2.5mm ²	3.8mm		16mm ²

339753

Colour	Order Code	1+	5+	10+
10A (0.5mm²)				
Black	117-8264●	8.52	8.10	7.69
Blue	117-8265●	8.52	8.10	7.69
Brown	117-8266●	8.52	8.10	7.69
Grey	117-8268●	8.52	8.10	7.69
Orange	117-8269●	8.78	8.35	7.93
Red	117-8270●	8.52	8.10	7.69
White	117-8272●	8.52	8.10	7.69
Yellow	117-8273●	8.52	8.10	7.69
Green / Yellow	117-8274●	8.52	8.10	7.69
13A (0.75mm²)				
Black	117-8275●	10.77	10.24	9.72
Blue	117-8276●	10.77	10.24	9.72
Brown	117-8278●	10.77	10.24	9.72
Grey	117-8279●	10.77	10.24	9.72
Orange	117-8280●	10.77	10.24	9.72
Red	117-8281●	10.77	10.24	9.72
Violet	117-8282●	10.77	10.24	9.72

339753

Colour	Order Code	1+	5+	10+
13A (0.75mm²)				
White	117-8284●	10.77	10.24	9.72
Yellow	117-8285●	10.77	10.24	9.72
Green / Yellow	117-8286●	10.77	10.24	9.72
18A (1.0mm²)				
Black	117-8287●	12.97	12.32	11.71
Blue	117-8288●	12.97	12.32	11.71
Brown	117-8289●	12.97	12.32	11.71
Grey	117-8290●	12.97	12.32	11.71
Orange	117-8292●	12.97	12.32	11.71
Red	117-8293●	12.97	12.32	11.71
Violet	117-8294●	12.97	12.32	11.71
White	117-8297●	12.97	12.32	11.71
Yellow	117-8298●	12.97	12.32	11.71
Green / Yellow	117-8299●	12.97	12.32	11.71
22A (1.5mm²)				
Black	117-8300●	19.56	18.57	17.66
Blue	117-8302●	19.56	18.57	17.66
Brown	117-8303●	19.56	18.57	17.66
Grey	117-8304●	19.56	18.57	17.66
Orange	117-8305●	19.56	18.57	17.66
Red	117-8306●	19.56	18.57	17.66
White	117-8307●	19.56	18.57	17.66
Yellow	117-8308●	19.56	18.57	17.66
Green / Yellow	117-8309●	19.56	18.57	17.66
31A (2.5mm²)				
Black	117-8310●	31.00	29.45	27.99
Blue	117-8311●	31.00	29.45	27.99
Brown	117-8312●	31.00	29.45	27.99
Red	117-8314●	31.00	29.45	27.99
Yellow	117-8315●	31.00	29.45	27.99
Green / Yellow	117-8316●	31.00	29.45	27.99
White	117-8317●	33.94	32.24	30.64
Orange	121-9362●	29.19	27.73	26.36
Grey	121-9363●	30.44	29.17	28.03
41A (4.0mm²)				
Black	117-8318●	51.53	48.95	46.50
Blue	117-8319●	51.53	48.95	46.50
Brown	117-8320●	51.53	48.95	46.50
Red	117-8321●	51.53	48.95	46.50
Yellow	117-8322●	51.53	48.95	46.50
Green / Yellow	117-8323●	51.53	48.95	46.50
53A (6.0mm²)				
Black	117-8324●	67.63	64.25	61.03
Blue	117-8326●	67.63	64.25	61.03
Brown	117-8327●	67.63	64.25	61.03
Red	117-8328●	67.63	64.25	61.03
Yellow	117-8329●	67.63	64.25	61.03
Green / Yellow	117-8330●	67.63	64.25	61.03
75A (10mm²)				
Black	117-8331●	172.58	163.94	155.76
Red	117-8332●	172.58	163.94	155.76
Green / Yellow	117-8333●	172.58	163.94	155.76
Blue	117-8334●	176.53	167.69	159.32
100A (16mm²)				
Black	117-8336●	213.06	202.41	192.29
Blue	117-8338●	213.06	202.41	192.29
Red	117-8339●	213.06	202.41	192.29
Green / Yellow	117-8341●	213.06	202.41	192.29

Silicone Insulated Equipment Wire**High Temperature Halogen Free Silicone****Silflex® SiF Silicone Single Core**

SILFLEX® SiF cables are silicone insulated single core cables recommended for use in the case of high ambient temperatures under sufficient ventilation and low mechanical stress. At room temperature, SILFLEX® SiF is largely resistant against oil, alcohol, alkalis, salt solutions and salt water. The gases are halogen free and non-corrosive.

Size (CSA)	Current carrying capacity-amps 30°C nominal rise	Nominal Outside Diameter
0.25mm ²	4	1.9mm
0.5mm ²	9	2.1mm
0.75mm ²	12	2.4mm
1mm ²	15	2.5mm
1.5mm ²	18	2.8mm

448818

Colour	Order Code	1+	5+
0.25mm²			
Green / Yellow	128-5906●	18.95	17.22
Black	128-5908●	18.95	17.22
Blue	128-5909●	18.95	17.22
Brown	128-5910●	18.95	17.22
Yellow	128-5911●	18.95	17.22
Green	128-5912●	18.95	17.22

Silicone Insulated Equipment Wire - continued

High Temperature Halogen Free Silicone - continued

Silflex® SiF Silicone Single Core - continued

Colour	Order Code	1+	Price Per Coil 5+
0.25mm²			
Purple	128-5913●	18.95	17.22
Orange	128-5915●	18.95	17.22
Red	128-5916●	18.95	17.22
White	128-5917●	18.95	17.22
Grey	128-5918●	18.95	17.22
0.5mm²			
Green / Yellow	128-5921●	17.66	16.06
Black	128-5922●	17.66	16.06
Blue	128-5923●	17.66	16.06
Brown	128-5924●	17.66	16.06
Yellow	128-5925●	17.66	16.06
Green	128-5926●	17.66	16.06
Purple	128-5927●	17.66	16.06
Orange	128-5929●	17.66	16.06
Red	128-5930●	17.66	16.06
White	128-5931●	17.66	16.06
Grey	128-5933●	17.66	16.06
0.75mm²			
Green / Yellow	128-5934●	22.86	20.78
Black	128-5935●	22.86	20.78
Blue	128-5936●	22.86	20.78
Brown	128-5937●	22.86	20.78
Yellow	128-5938●	22.86	20.78
Green	128-5939●	22.86	20.78
Purple	128-5940●	22.86	20.78
Orange	128-5942●	22.86	20.78
Red	128-5943●	22.86	20.78
White	128-5945●	22.86	20.78
1.0mm²			
Green / Yellow	128-5948●	27.46	24.95
Black	128-5949●	27.46	24.95
Blue	128-5950●	27.46	24.95
Brown	128-5951●	27.46	24.95
Yellow	128-5952●	27.46	24.95
Green	128-5953●	27.46	24.95
Orange	128-5957●	27.46	24.95
Red	128-5958●	27.46	24.95
White	128-5959●	27.46	24.95
1.5mm²			
Green / Yellow	128-5961●	38.12	34.65
Black	128-5962●	38.12	34.65
Blue	128-5963●	38.12	34.65
Brown	128-5964●	38.12	34.65
Yellow	128-5965●	38.12	34.65
Green	128-5966●	38.12	34.65
Purple	128-5967●	38.12	34.65
Orange	128-5971●	38.12	34.65
Red	128-5972●	38.12	34.65
White	128-5973●	38.12	34.65
Grey	128-5974●	38.12	34.65

Silicone Single Core



Tinned annealed stranded copper conductors insulated in type E12 silicone rubber to **BS6195 Table 4 Type 5**. Especially suited to medical, electrical or electronic

equipment applications requiring the ability to withstand the presence of ozone, corona discharge, radiation, weathering, oils, solvents and other chemicals, over a wide temperature range.

Operating temperature	-70°C to +180°C	Maximum test voltage	2500V
Conductor Area	Conductor Size	Nominal Wall Thickness	Current Rating
0.22mm ²	7/0.2mm	2.2 mm	1.5A
0.5mm ²	16/0.2mm	2.6 mm	3A
0.75mm ²	24/0.2mm	2.8 mm	6A
1mm ²	32/0.2mm	3 mm	10A
374527.434976			

25m Reels	Colour	Order Code	1+	Price Per Reel 5+
0.22mm²				
Black	146-5861●	6.54	6.41	
Red	146-5862●	6.54	6.41	
0.5mm²				
Black	146-5863●	7.27	6.93	
Blue	146-5864●	7.27	6.93	
Brown	146-5865●	7.27	6.93	
Red	146-5868●	7.27	6.93	
0.75mm²				
Black	146-5869●	11.89	10.69	
Blue	146-5870●	11.89	10.69	
Brown	146-5871●	11.89	10.69	
Red	146-5872●	11.89	10.69	
1.0mm²				
Black	146-5873●	20.53	19.66	
Green / Yellow	146-5875●	20.53	19.66	
Red	146-5874●	20.53	19.66	

Heat Resisting Equipment Wire

High Temperature Wire



Tinned stranded annealed copper conductors to **BS6360**. High temperature PVC insulated to **BS6746 Type 4**.

230934

100m Reels	Colour	Order Code	1+	Price Per Reel 5+
0.22mm² (7/0.2mm)				
Black	120-2679●		9.53	8.99
Red	120-2680●		9.53	8.99

Tufsil 5000



- Silicone coated cable designed for use in the domestic appliance industry
- Silicone based insulation meets **BS6899** and **BS7655 EI2** specifications
- Conductor meets **BS6360** specification

Maximum operating temperature	+180°C	Voltage rating	500Vdc & ac
Nominal outside dia.	2.4mm	2.5mm	2.8mm
Current rating	23A	25A	36A
			208331

Mfrs. List No.	Order Code	1+	Price Per Reel 5+	10+	25+
0.75mm² (24/0.2mm)					
25m White	320-8758●	8.23	7.76	6.98	6.40
Red	320-8760●	10.97	10.34	9.30	8.53
Black	320-8771●	10.97	10.34	9.30	9.21
100m White	320-8783●	34.72	33.78	32.90	32.05
Red	320-8795●	27.33	24.98	22.21	20.86
Black	320-8801●	27.33	24.98	22.21	20.86
1.0mm² (7/0.4mm)					
25m Red	320-8825●	12.27	10.67	9.07	8.53
Black	320-8837●	13.19	12.84	12.50	12.18
1.5mm² (30/0.25mm)					
25m White	320-8874●	15.88	13.70	13.26	12.31
Red	320-8886●	21.25	19.29	17.66	16.29
Black	320-8898●	21.30	19.37	17.73	16.36
100m White	320-8904●	42.00	39.61	38.76	35.83
Red	320-8916●	42.00	39.61	38.76	35.83
Black	320-8928●	54.86	53.38	51.97	50.64

Earth Bonding Straps



This braid is a tight weave of multi-strand, soft drawn tinned copper wire. It is an ideal shielding material for short-run cables, providing easy radial termination. This tinned copper flat braid can be used as a ground strip to provide an excellent, low-resistance ground path. Supplied in 30.5m lengths.

Applications:

- Ground/Shielding terminations
- Point-to-Point Ground Path
- Wire/Cable Shielding

450488

Nominal Width	Nominal Thickness	Order Code	1+	5+	10+	25+
Part No.	(mm)	(mm)				
1229	3.18	0.50	130-2722●	60.87	57.52	53.87
1230	4.76	0.50	130-2724●	66.21	62.55	58.58
1231	6.35	0.76	130-2725●	89.93	84.96	79.57
1232	9.53	0.76	130-2726●	143.96	136.05	127.41
1233/2	12.70	0.76	130-2727●	190.85	180.34	168.90
1233	15.90	0.76	130-2728●	193.02	182.40	170.80
1234	19.10	1.02	130-2729●	251.79	237.94	222.84
						210.24

Technical information at your fingertips

Over 352,000 technical datasheets available online. Visit www.farnell.co.uk and look for the Tech Info heading in your search results.



Tinned Copper Braid - Tubular



This braid is a tight weave of multi-strand, soft drawn tinned copper wire. It is an ideal shielding material for short-run cables, providing easy radial termination. This tinned copper flat braid can be used as a ground strip to provide an excellent, low-resistance ground path. Supplied in 30.5m lengths.

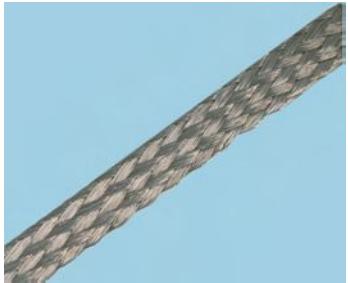
Applications:

- Ground/Shielding terminations
- Point-to-Point Ground Path
- Wire/Cable Shielding

450506

Alpha Wire Nominal Part No.	Diameter (mm)	Order Code	Price Per Coil			
			1+	5+	10+	25+
2160	0.79	130-2731●	34.28	32.39	30.33	28.61
2162	1.59	130-2732●	72.17	68.19	63.87	60.26
2163	1.98	130-2733●	83.70	79.10	74.06	69.88
2164	2.78	130-2734●	110.54	104.45	97.82	92.29
2166	3.18	130-2736●	115.27	108.95	102.01	96.27
2167	3.97	130-2737●	190.85	180.34	168.90	159.36
2168	4.37	130-2738●	146.90	138.80	129.99	122.64
2170	5.16	130-2739●	163.54	154.54	144.73	136.56
2171	6.35	130-2740●	276.42	261.20	244.63	230.80
2171/1	7.14	130-2741●	275.62	260.46	243.91	230.12
2172	9.53	130-2742●	284.90	269.21	252.13	237.89
2173	11.11	130-2743●	469.96	444.11	415.91	392.40
2174	12.70	130-2744●	390.52	369.05	345.61	326.09

Copper Bonding Strip



Flat tinned copper braid suitable for earth bonding straps.

Order Code	Reel Lgth (m)	Max. Curr.(A)	CSA (mm²)	Width (mm)	Thickness (mm)	Conductor Make-up	DC Resistance Max. (mΩ / M)
126-8483	25	10	0.5	2	0.5	64/0.1mm	40.07
126-8484	25	15	1.13	3	0.75	64/0.15mm	15.66
126-8485	25	30	2.26	5	1	128/0.15mm	7.83
126-8486	25	63	7.54	10	1.5	240/0.2mm	2.67
126-8487	1	90	8.29	11	1.75	264/0.20mm	2.135

450154 450149

Order Code	1+	5+	10+	20+
126-8483●	12.49	12.36	11.95	10.45
126-8484●	14.66	13.47	12.61	11.33
126-8485●	18.00	17.32	16.41	16.13
126-8486●	56.36	54.06	51.19	46.60
126-8487●	6.60	6.08	5.79	5.22

Earth Bonding Straps



Circular tinned copper braid leads in three different sizes. Both ends fitted with integral lug terminations. Suitable for a wide range of earthing applications for equipment housings and enclosures etc.

Length (between ctrs)	Conductor Area	Current Rating	Stud Size Ref.	Hole Dia.	Lug Width	Lug Thickness	Order Code
150mm	10mm²	85A	M5	5.2mm	14.5mm	2mm	108-766
250mm	15mm²	120A	M6	6.4mm	15.5mm	2.2mm	108-767
400mm	25mm²	180A	M8	8.3mm	16.5mm	2.8mm	108-768

230336

Length	Order Code	1+	10+	25+	50+
150mm	108-766●	3.01	2.45	2.23	2.06
250mm	108-767●	4.45	3.74	3.40	3.19
400mm	108-768●	6.18	5.79	4.57	4.00

230336

Over 480,000 products online



Standard and Insulated Braid



● UK manufactured to **QS9000** and **ISO9000, ISO14001** approved.

Terminals Brazed seam construction
High grade conductive copper per ASTM B-152, tin plated to **MIL-T-10727**
Meets or exceeds the requirements of **MIL-T-7928, Class 1 & 2**
Temp rating 33°F/170°C
Listed under **UL** file No E13288 & **CSA** file No LR7189
Braided Cables Wires conform to **BS4109**
Insulation **UL** file No E85381 **VW-1** 600V, 150°C
CSA file No LR31920FT, 600V, 150°C
MIL-DTL-23053/18 class 2

230337

Lead Length mm	Mfrs. List No.	Order Code	1+	10+	25+	50+
Uninsulated						
0.5mm CSA Braid M3 - M3						
100	1337666-1	117-4566●	3.00	2.44	2.23	2.17
150	1337666-2	117-4567●	3.18	2.58	2.36	2.28
200	1337666-3	117-4568●	3.36	2.70	2.51	2.42
1.13mm CSA Braid M3.5 - M3.5						
100	1337667-1	117-4569●	2.99	2.43	2.23	2.16
150	1337667-2	117-4570●	3.06	2.47	2.26	2.18
200	1337667-3	117-4571●	3.37	2.74	2.52	2.45
2.26mm CSA Braid M8 - M8						
100	1337668-1	353-2902●	3.96	3.18	2.96	2.86
150	1337668-2	353-2914●	4.22	3.40	3.13	3.02
200	1337668-3	353-2926●	4.44	3.60	3.32	3.19
7.54mm CSA Braid M5 - M5						
100	1337669-1	353-2938●	4.17	3.37	3.10	3.01
150	1337669-2	353-2940●	4.51	3.62	3.36	3.25
200	1337669-3	353-2951●	4.83	3.91	3.60	3.49
8.29mm CSA Braid M5 - M5						
100	1337670-1	353-2963●	4.22	3.40	3.14	3.02
200	1337670-3	353-2987●	4.89	3.96	3.63	3.52
10mm CSA Braid M5 - M5						
100	1337671-1	353-2999●	4.87	3.96	3.63	3.52
150	1337671-2	353-3001●	3.98	3.24	2.98	2.87
200	1337671-3	353-3013●	5.62	4.56	4.19	4.04
15mm CSA Braid M6 - M6						
150	1337706-1	353-3025●	5.66	4.58	4.22	4.09
250	1337706-2	353-3037●	6.66	5.40	4.98	4.78
400	1337706-3	353-3049●	8.17	6.61	6.09	5.88
25mm CSA Braid M8 - M8						
250	1337707-1	117-4572●	9.19	7.41	6.85	6.61
400	1337707-2	353-3062●	12.59	10.18	9.36	9.05
500	1337707-3	353-3074●	14.40	11.66	10.74	10.36
Insulated						
0.5mm CSA Braid M3 - M3						
100	1337708-1	353-3086●	4.14	3.34	3.08	2.98
150	1337708-2	353-3098●	4.39	3.55	3.29	3.15
200	1337708-3	353-3104●	4.64	3.75	3.49	3.34
1.13mm CSA Braid M3.5 - M3.5						
100	1337709-1	353-3116●	4.13	3.33	3.08	2.98
150	1337709-2	353-3128●	4.39	3.55	3.29	3.16
200	1337709-3	353-3130●	4.68	3.77	3.50	3.36
2.26mm CSA Braid M8 - M8						
100	1337710-1	353-3141●	4.72	3.84	3.53	3.40
150	1337710-2	353-3153●	4.54	3.67	3.38	3.27
200	1337710-3	353-3165●	5.33	4.33	3.98	3.84
7.54mm CSA Braid M5 - M5						
100	1337711-1	353-3177●	3.06	2.46	2.28	2.20
150	1337711-2	353-3189●	5.42	4.37	4.02	3.89
200	1337711-3	353-3190●	5.79	4.68	4.33	4.17
8.29mm CSA Braid M5 - M5						
100	1337712-1	353-3207●	5.05	4.07	3.76	3.62
150	1337712-2	353-3219●	4.36	3.51	3.25	3.13
200	1337712-3	353-3220●	4.47	3.59	3.33	3.22

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Earth Bonding Straps - continued**Copper Earthing Cable**

ESUY



ESUY Copper earth cable is designed for grounding of current carrying parts in high voltage installations or rails during repair works. In addition it is used for grounding or potential compensation of machine parts and electronic data processing installations.

- Highly flexible superfine copper wire rope with bare electrolytic copper braiding
- Operating temperature -5°C to 70°C max
- Transparent PVC outer sheath
- Supplied on 50m reels

Mfrs. List No.	Size (CSA)	Conductor make-up	Outside diameter
4571101	16mm ²	4200/0.07mm	8.8mm
4571102	25mm ²	3192/0.1mm	10.2mm
4571103	35mm ²	4480/0.1mm	12.4mm

448764

Mfrs. List No.	Order Code	1+	5+
4571101	128-5895●	293.20	266.52
4571102	128-5896●	407.96	370.83
4571103	128-5897●	597.36	543.00

Price Per Reel**Automotive Wire****Automotive Wire**

Automotive wire with plain conductors PVC insulated to **BS6862 Part 1**. Resistant to petrol, lubrication oils, fuel oils and dilute acids.

Type A

CSA	Conductor Size (mm)	Current Rating	Nominal Outside Dia
1mm ²	14/0.3mm	8.75A	2.7mm
1.5mm ²	21/0.3mm	13A	3.1mm
2mm ²	28/0.3mm	17.5A	3.4mm

377543

Colour	Reel Length	Order Code	1+	5+
Black	500m	120-2750●	62.38	--
Red	500m	120-2751●	62.38	--
1.5mm²				
Black	500m	120-2752●	107.30	--
2mm²				
Black	500m	120-2754●	102.34	--
Red	500m	120-2755●	66.54	--

Automotive Wire

Insulated wires manufactured to BS6862 Part 1 for automotive, marine and agricultural applications. PVC insulated, plain annealed copper wire resistant to petrol, lubricant oils, fuel oils and dilute acids. Supplied in 100m reels.

Twin Flat – Two cores of 9x0.3mm annealed copper wire laid together and oversheathed in

black PVC, forming an oval cable.

- Test Voltage: 1.5kV for 2 minutes
- PVC Insulation Thickness: 0.6mm

Outer Size	Current Rating
3.5 x 6.0mm	5.75A

- Temperature Rating: 70°C

Conductor Strands	Max Core Dia.
9/0.3mm	2.5mm

385620

Order Code	1+	5+
120-2756●	35.76	--

Seven Core Trailer Cable

- Seven core trailer cable PVC insulated cores with an overall Black PVC sheath
- Central White (2.0mm²) **17.5A**
- Outer Brown, Blue, Black, Yellow, Red and Green (1.0mm²) **8.75A**

Maximum overall dia.	10.2mm	Wall thickness cores	0.6mm
Wall thickness sheath	0.8mm		

208164

Order Code	1+	5+	10+
100m 7-Core 120-2757●	137.25	125.58	122.91

Extra Flexible Stranded Wire**Flexiplast® - TPE**0.5, 1.0 and 2.5mm² - (TPE Insulated)

- Plain super-fine multi-stranded Oxygen Free Copper conductors
- High flexible TPE (Thermo Plastic Elastomer) insulation
- High tensile strength
- Non-abrasive
- Light weight (low density)
- Oil resistant
- Resistant to most acids and alkalis
- Halogen free
- Wide temperature range

Operating temperature -30°C to +110°C (continuous) +130°C (intermittent-can be sterilised)

Conductor Area (mm ²)	Conductor Size	Nominal Outside Dia.	Voltage Rating	Current Rating	Mfrs. List No. (x = colour*)
0.5	129/0.07mm	2.1mm	500V	10A	60.7180-X
1	258/0.07mm	2.7mm	750V	19A	60.7190-X
2.5	651/0.07mm	3.6mm	750V	32A	60.7200-X

*Colour code = 21-black, 22-red, 23-blue, 24-yellow, 25-green, 26-white

208284

25m Reels	Colour	Order Code	1+	5+	10+	25+
0.5mm²	Red	135-264●	13.36	12.68	12.43	11.08
	Black	135-276●	13.36	12.68	12.43	11.08
	Green	135-288●	13.36	12.68	12.43	11.08
	Blue	135-290●	13.36	12.68	12.43	11.08
	Yellow	135-306●	13.36	12.68	12.43	11.08
	White	135-318●	13.36	12.68	12.43	11.08
1.0mm²	Red	135-320●	21.41	20.33	19.92	17.82
	Black	135-331●	21.41	20.33	19.92	17.82
	Blue	135-355●	21.41	20.33	19.92	17.82
	Yellow	135-367●	21.41	20.33	19.92	17.82
2.5mm²	Red	135-380●	34.84	33.09	32.44	28.97
	Black	135-392●	34.84	33.09	32.44	28.97
	Green	135-409●	34.84	33.09	32.44	28.97
	Blue	135-410●	34.84	33.09	32.44	28.97
	Yellow	135-422●	34.84	33.09	32.44	28.97

208285

Silistrom®10, 16 and 25mm² - (Silicone Insulated)

- Plain super-fine multi-strand Oxygen Free Copper conductors
- Extremely flexible silicone insulation
- Excellent electrical properties
- Available in Transparent, Black, Red and Blue
- Plain copper conductors sheathed in black chlorinated neoprene
- Halogen free
- High weather and radiation resistance
- Good chemical stability
- Wide temperature range
- UL recognised
- Complies with UL approval temp range -80°C to 90°C

Operating temperature -80°C to +150°C (permanent steam resistance)
+250°C (several hours)
+300°C (soldering iron resistant - short periods)

Dielectric strength		18-20kV/mm				
Conductor Area (mm ²)	Conductor Size	Nominal Outside Dia.	Wall Thickness	Voltage Rating	Current Rating	Mfrs. List No.
10	2556/0.07mm	9mm	2.1mm	1500V	75A	61.7613
16	4116/0.07mm	10mm	2.2mm	1500V	100A	61.7614
25	6496/0.07mm	11.9mm	2.3mm	1500V	130A	61.7615

208284

10m Coils		Area	Order Code	1+	5+	10+	25+
Transparent							
10mm ²	135-446●			85.51	81.24	79.61	71.16
16mm ²	135-458●			113.02	107.38	105.23	94.02
25mm ²	135-460●			160.12	152.10	149.08	133.26
Black							
10mm ²	317-0299●			85.51	81.24	79.61	71.16
16mm ²	317-0305●			120.79	114.77	112.48	100.50
25mm ²	317-0317●			200.14	190.15	186.36	166.57
Red							
10mm ²	317-0329●			85.51	81.24	79.61	71.16
16mm ²	317-0330●			120.79	114.77	112.48	100.50
25mm ²	317-0342●			200.14	190.13	186.35	166.57
Blue							
10mm ²	317-0354●			85.51	81.24	79.61	71.16

208285



Test Lead Wire**128/0.05mm (0.25mm²) -
Silicone Insulated**

- The large number of fine tinned copper strands ensures a high degree of flexibility and solderability
- Ideal for test lead applications.

Nominal outside dia. 2mm Current rating 1.5A
 Voltage rating 850V Operating temperature -100°C to +150°C

208070

25m Reels

Colour	Order Code	1+	5+
Red	146-5851●	15.01	14.12
Black	146-5853●	15.01	14.12

Price Per Reel**256/384/504 Strands - Silicone Insulated**

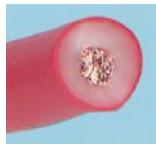
- The large number of fine tinned copper strands ensures a high flexibility
- Ideal for test lead applications
- Operating temperature -100°C to +150°C

Number of Strands	CSA (mm ²)	Nominal Outside Diameter	Current Rating	Voltage Rating
256/0.05mm	0.5	2.5mm	3A	1000V
384/0.05mm	0.75	3.3mm	6A	1500V
504/0.05mm	1	3.8mm	10A	1500V

230368

25m Reels

Order Code	1+	5+	10+	25+
146-5854●	29.21	27.32	25.12	21.84
146-5856●	29.21	27.32	25.12	21.84
146-5857●	31.05	29.87	27.41	23.87
146-5858●	31.05	29.87	27.41	23.87
146-5859●	57.63	53.24	52.09	43.68
146-5860●	57.63	53.24	52.09	43.68

Price Per Reel**Flexivolt - 2V 1500V, CAT III**
258/0.07mm (1.0mm²) - Double insulated

- Fine stranded plain copper conductors with double layered highly flexible reinforced PVC insulation. Neutral inner with coloured outer for high safety requirements
- Designed for operating voltages in Overvoltage Category III
- UL 94 - HB recognised

Nominal outside dia. 3.9mm Current rating 19A
 Voltage rating 1500V Operating temperature -10°C to +60°C
 Test Voltage 8000V

Mfrs. List No. 7030X, where X = 1-black, 2-red, 3-blue, 4-yellow, 5-green, 8-white

208100

5m Coils

Order Code	1+	5+	10+	25+
611-372●	8.89	8.32	8.07	
611-384●	8.89	8.32	8.07	
611-396●	8.89	8.32	8.07	
611-402●	8.89	8.32	8.07	
611-414●	8.89	8.32	8.07	

Price Per Coil/Reel**25m Reels**

Order Code	44.94	42.08	40.71	33.73
611-438●	44.94	42.08	40.71	33.73
611-440●	44.94	42.08	40.71	33.73
611-451●	44.94	42.08	40.71	33.73
611-463●	44.94	42.08	40.71	33.73
611-475●	44.94	42.08	40.71	33.73
611-487●	44.94	42.08	40.71	33.73

Price Per Coil/Reel**Silivolt - 1V 1500V, CAT II****512/0.05 (1.0mm²) - Halogen Free Silicone Insulated**

- Fine stranded plain copper conductors with highly flexible reinforced halogen free silicone insulation. Chlorine content <4ppm conforming with DIN VDE 0472, pt 813.
- Designed for operating voltages in Overvoltage Category II
- UL 94-HB recognised

Nominal outside dia.	3.7mm	Operating temperature	-80°C to +150°C (cont.)
Voltage rating (Cat II)	1500V		-80°C to +250°C (4 hrs.)
Test Voltage	8000V	Soldering iron resistant	+300°C (10 secs.)
Current rating	19A		

Mfrs. List No. 7607X, where X = 1-black, 2-red, 3-blue, 4-yellow, 5-green, 8-white

208101

5m Coils		Price Per Coil/Reel			
Colour	Order Code	1+	5+	10+	25+
Red	119-0627●	17.17	16.23	15.81	13.01
Black	119-0628●	17.17	16.23	15.81	13.01
White	119-0629●	17.17	16.23	15.81	13.01

25m Reels		Price Per Reel			
Colour	Order Code	1+	5+	10+	25+
Red	119-0630●	84.44	79.71	77.73	63.80
Black	119-0631●	84.44	79.71	77.73	63.80
Green	119-0632●	84.44	79.71	77.73	63.80
Blue	119-0633●	84.44	79.71	77.73	63.80
White	119-0634●	67.55	63.76	62.18	51.04

PVC - Double Insulated - 1500V CAT II**651/0.07mm (2.5mm²)**

- Fine stranded plain copper conductors with soft PVC double insulation to produce a highly flexible wire as used for Multi-Contact ready made test leads, see Book 4, Section 22
- Available in Red or Black with White inner insulation.

Nominal outside dia. 4mm Current rating 32A
 Voltage rating 1500V Operating temperature -10°C to +70°C

Mfrs. List No. 22.0130-1 = 297-756/218-054, 22.0130-4 = 297-768/218-066

207974

5m Coils		Price Per Coil/Reel			
Colour	Order Code	1+	5+	10+	25+
Red	297-756●	9.80	9.37	9.17	7.68
Black	297-768●	9.80	9.37	9.17	7.68

25m Reels		Price Per Reel			
Colour	Order Code	49.91	46.87	44.33	34.89
Red	218-054●	49.91	46.87	44.33	34.89
Black	218-066●	49.91	46.87	44.33	34.89

'Plast' - 2V**525/0.07mm (2.0mm²)**

- Fine stranded plain copper conductors
- Thermoplastic rubber, double insulated
- Operates over a wide temperature range
- Excellent flexibility

Nominal outside dia. 3.9mm Test Voltage 8000V
 Voltage rating 1500V Operating temperature -30°C to +110°C (cont.)

207975

5m Coils		Price Per Coil/Reel			
Colour	Order Code	1+	5+	10+	25+
Red	365-3006●	9.67	8.61	8.38	7.09
Black	365-3018●	9.67	8.61	8.38	7.09

25m Reels		Price Per Reel			
Colour	Order Code	46.46	41.31	40.30	34.00
Red	365-3020●	46.46	41.31	40.30	34.00
Black	365-3031●	46.46	41.31	40.30	34.00

Flexivolt® - E**26/0.07 0.1mm² - PVC Insulated**

- Highly flexible base-insulated stranded wire sheathed in PVC
- Tightly twisted super-fine wire, oxygen-free copper strands
- Ideal for use in mobile components and in high flex/low voltage applications

Nominal outside dia. 1mm Voltage rating 150V
 Nominal cross section 0.1mm²/27AWG Test Voltage 2000V
 Conductor make up 26/0.07mm Current rating 2A
 Conductor dia. 0.4mm Operating temperature -10°C to +70°C
 Insulation thickness 0.3mm

60.7001-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248608

100m Reels		Price Per Reel			
Colour	Order Code	1+	5+	10+	20+
Black	432-6702●	24.16	22.47	22.01	19.97
Red	432-6714●	24.16	22.47	22.01	19.97
Blue	432-6726●	24.16	22.47	22.01	19.97
Yellow	432-6738●	24.16	22.47	22.01	19.97
Green	432-6740●	24.16	22.47	22.01	19.97

Test Lead Wire - continued**Flexivolt® - E**66/0.07 0.25mm² - PVC Insulated

- Highly flexible base-insulated stranded wire sheathed in PVC
- Tightly twisted super-fine wire, oxygen-free copper strands
- Ideal for use in mobile components and in high flex/low voltage applications

Nominal outside dia. 1.7mm
 Nominal cross section 0.25mm²/23AWG
 Conductor make up 66/0.07mm
 Conductor dia. 0.65mm
 Insulation thickness 0.5mm

Voltage rating 500V
 Test Voltage 2200V
 Current rating 6A
 Operating temperature -10°C to +70°C

60.7003-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248611

Insulation thickness 1.1mm
 Voltage rating 1500V
 Test Voltage 8000V
 Current rating 32A

61.7610-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248614

5m Coil

Colour	Order Code	1+	5+	10+	15+	20+
Black	432-6957●	18.31	17.27	16.83	14.23	13.10
Red	432-6969●	18.31	17.27	16.83	14.23	13.10
Blue	432-6970●	18.31	17.27	16.83	14.23	13.10
Yellow	432-6982●	18.31	17.27	16.83	14.23	13.10
Green	432-6994●	18.31	17.27	16.83	14.23	13.10

25m Reel

Colour	Order Code	77.13	71.99	70.57	64.12	58.80
Black	432-7007●	77.13	71.99	70.57	64.12	58.80
Red	432-7019●	77.13	71.99	70.57	64.12	58.80
Blue	432-7020●	75.26	70.24	68.85	62.56	57.37

60.7003-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248611

Flexivolt® - E129/0.07 0.5mm² - PVC Insulated

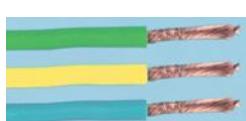
- Highly flexible base-insulated stranded wire sheathed in PVC
- Tightly twisted super-fine wire, oxygen-free copper strands
- Ideal for use in mobile components and in high flex/low voltage applications

Nominal outside dia. 2.1mm
 Nominal cross section 0.5mm²/20AWG
 Conductor make up 129/0.07mm
 Conductor dia. 0.9mm
 Insulation thickness 0.6mm

Voltage rating 500V
 Test Voltage 2200V
 Current rating 10A
 Operating temperature -10°C to +70°C

60.7004-XX, where X = 23-Blue, 24-Yellow, 25-Green

248612

Silivolt® - 1V256/0.05 0.5mm² - Silicone Insulated

- Super flexible, reinforced silicone insulated stranded wire
- Tightly twisted super-fine wire, oxygen free copper per strands

Nominal outside dia. 2.7mm
 Nominal cross section 0.5mm²/20AWG
 Conductor make up 256/0.05mm
 Conductor dia. 1mm
 Insulation thickness 0.85mm
 Voltage rating 1500V

Test Voltage 8000V
 Current rating 12A
 Operating temperature -80°C to +150°C
 +250°C, for several hours
 +300°C, temporarily, solder Iron resistant

61.7605-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

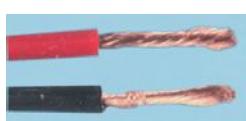
248613

5m Coils

Colour	Order Code	1+	5+	10+	15+	20+
Black	432-6854●	8.13	7.00	6.60	5.85	5.21
Red	432-6866●	8.13	7.00	6.60	5.85	5.21
Blue	432-6878●	8.13	7.00	6.60	5.85	5.21
Yellow	432-6880●	8.13	7.00	6.60	5.85	5.21
Green	432-6891●	8.13	7.00	6.60	5.85	5.21

25m Reels

Colour	Order Code	36.64	34.49	33.81	30.45	28.34
Black	432-6908●	36.64	34.49	33.81	30.45	28.34
Red	432-6910●	36.64	34.49	33.81	30.45	28.34
Blue	432-6921●	36.64	34.49	33.81	30.45	28.34
Yellow	432-6933●	36.64	34.49	33.81	30.45	28.34
Green	432-6945●	36.64	34.49	33.81	30.45	28.34

Silivolt® - 1V651/0.07 2.5mm² - Silicone Insulated

- Super flexible, reinforced silicone insulated stranded wire
- Tightly twisted super-fine wire, oxygen free copper per strands

Nominal outside dia. 4.6mm
 Nominal cross section 2.5mm²/13AWG

Conductor make up 651/0.07mm
 Conductor dia. 2.4mm

Operating temperature -80°C to +150°C
 +250°C, for several hours
 +300°C, temporarily, solder Iron resistant

61.7610-XX, where X = 21-Black, 22-Red, 23-Blue, 24-Yellow, 25-Green

248614

5m Coil

Colour	Order Code	1+	5+	10+	15+	20+
Black	432-6957●	18.31	17.27	16.83	14.23	13.10
Red	432-6969●	18.31	17.27	16.83	14.23	13.10
Blue	432-6970●	18.31	17.27	16.83	14.23	13.10
Yellow	432-6982●	18.31	17.27	16.83	14.23	13.10
Green	432-6994●	18.31	17.27	16.83	14.23	13.10

25m Reel

Colour	Order Code	77.13	71.99	70.57	64.12	58.80
Black	432-7007●	77.13	71.99	70.57	64.12	58.80
Red	432-7019●	77.13	71.99	70.57	64.12	58.80

248617

Flex-Sol56/0.3 4mm² - Double Insulated

- Single pole, double insulated, halogen free solar cable
- Tinned copper stranding
- VDE tested
- Flame retardant in accordance with DIN EN 50265-2-1
- For use indoors and outdoors

Nominal outside dia.

6.4mm

Nominal cross section 4mm²/11AWG

Current rating

1000V

Conductor make up 56/0.3mm

Operating temperature

-40°C to +90°C

Conductor dia. 2.4mm

Max. Resistance/20°C

4.8ohm/km

Mfrs. List No. 62.7417-21

248617

25m Reels

Colour	Order Code	1+	5+
Black	119-0626●	45.16	43.03

Mfrs. List No. 60.7453-21

248618

Flexi-ZW196/0.07 2x0.75mm² - PVC Insulated

- Twin insulated wires with a PVC Black jacket
- Tightly twisted super-fine wire, oxygen free copper strands

Nominal outside dia.

6.9 x 3.4

Nominal cross section 2 x 0.75mm²/18AWG

Voltage rating

1000V

Conductor make up 196/0.07mm

Test Voltage

8000V

Conductor dia. 2.4mm

Current rating

12A

Insulation thickness 0.45mm

Operating temperature

-10°C to +70°C

Mfrs. List No. 60.7453-21

248618

Price Per Coil/Reel

Colour	Order Code	1+	5+	+	+	+
5m Black	432-7100●	6.59	6.05	--	--	--
25m Black	432-7111●	24.91	24.18	--	--	--

Mains Flex

2192Y (Har. code H03VVH2-F2)

Two-Core Oval 300/300V



Cut Lengths Available

Flexible mains cable for internal use in the direct connection of equipment to mains power supplies.

- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue
- Available in Black, Grey or White outer sheath
- Manufactured to BS6500
- Supplied in 50m and 100m reels or continuous length in 1m multiples

Conductor Area (mm ²)	Current Rating	Nominal Dia.
0.5	3A	3.30x5.40mm
0.75	6A	3.60x5.80mm



Colour	Order Code	Price Per Reel			
		1+	5+	10+	25+
3A 100m Reel					
Black	133-3036●	18.30	17.56	16.70	16.03
Grey	133-3037●	18.30	17.56	16.70	16.03
White	133-3034●	18.30	17.56	16.70	16.03
6A 100m Reel					
Black	133-3041●	23.70	22.76	21.61	20.74
Grey	133-3042●	23.70	22.76	21.61	20.74
White	133-3039●	23.70	22.76	21.61	20.74

Colour	Order Code	Price Per Reel			
		1+	5+	10+	25+
3A 50m Reel					
Black	133-3035●	10.19	9.78	9.29	8.93
White	133-3032●	10.19	9.78	9.29	8.93
6A 50m Reel					
Black	133-3040●	41.22	40.11	39.05	38.05
White	133-3038●	12.74	12.24	11.62	11.15

Colour	Order Code	Price Per Metre			
		1+	5+	10+	25+
3A					
Black	138-7660●	0.40			
Grey	138-7661●	0.40			
White	138-7663●	0.40			
6A					
Black	138-7664●	0.49			
Grey	138-7665●	0.49			
White	138-7666●	0.49			

3192Y (Har. code H05VVFH2-F)
Two-Core Oval 300/500V



Cut Lengths Available

- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue

Conductor Area (mm²)

Current Rating

Nominal Dia.

1

10A

4.00x6.40mm

Colour	Order Code	Price Per Reel/Metre		
		1+	5+	10+
Black	133-3156●	30.75	29.53	28.05
White	133-3155●	30.75	29.53	28.05
Continuous Length of 1m Multiples				
White	149-4810●	0.89		
Black	149-4811●	0.89		

2182Y (Har. code H03VV-F2)
Two-Core Round 300/300V



Cut Lengths Available

- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown & Blue

Conductor Area (mm²)

Current Rating

Nominal Dia. (mm)

0.5

3A

5.4

0.75

6A

5.8

Colour	Order Code	Price Per Reel			
		1+	5+	10+	25+
3A 100m Reel					
Black	133-3047●	17.49	16.79	15.96	15.31
Grey	133-3048●	17.49	16.79	15.96	15.31
White	133-3044●	17.49	16.79	15.96	15.31
6A 100m Reel					
Black	133-3052●	22.55	21.67	20.58	19.76
Grey	133-3053●	22.55	21.67	20.58	19.76
White	133-3050●	22.55	21.67	20.58	19.76

Colour	Order Code	Price Per Reel			
		1+	5+	10+	25+
3A 50m Reel					
Black	133-3046●	9.21	8.84	8.40	8.07
White	133-3043●	9.21	8.84	8.40	8.07
6A 50m Reel					
Black	133-3051●	11.91	11.43	10.87	10.42
White	133-3049●	9.34	8.97	8.53	8.18

Colour	Continuous Length in 1m Multiples		Order Code	Price Per Metre
	1+	5+		
3A				
Black	138-7667●			0.37
Grey	138-7668●			0.37
White	138-7669●			0.37
6A				
Black	138-7670●			0.47
Grey	138-7671●			0.47
White	138-7673●			0.47

3182Y (Har. code H05VV-F2)

Two-Core Round 300/500V



Cut Lengths Available

- Available in various outer sheath colours

- Manufactured to BS6500

- Supplied in 50m, 100m reels or continuous lengths in 1m multiples

Conductor Area (mm²)	Current Rating	Nominal Dia. (mm)	Conductor Area (mm²)	Current Rating	Nominal Dia. (mm)
0.5	3A	6.3	1.25	13A	7.8
0.75	6A	6.2	1.5	15A	7.5
1	10A	6.55	2.5	20A	9.15

Colour	Order Code	Price Per Reel		
		1+	5+	10+
3A 100m Reel				
Black	133-3067●	20.25	19.43	18.47
Grey	120-2700●	35.20	—	—
White	133-3066●	20.25	19.43	18.47
6A 100m Reel				
Black	133-3072●	23.92	22.95	21.81
Grey	133-3074●	23.92	22.95	21.81
White	133-3068●	23.92	22.95	21.81
Orange	133-3075●	23.92	22.95	21.81
10A 100m Reel				
Black	133-3078●	30.60	29.38	27.92
Grey	120-2702●	46.17	—	—
White	133-3076●	30.60	29.38	27.92
13A 100m Reel				
Black	133-3083●	34.68	33.29	31.63
White	133-3081●	34.68	33.29	31.63
15A 100m Reel				
Black	133-3087●	39.82	38.22	36.31
White	133-3085●	39.82	38.22	36.31
Grey	120-2705●	51.13	—	—
20A 100m Reel				
Black	133-3089●	68.91	66.15	62.85
White	133-3088●	54.05	51.88	49.30
Orange	120-2707●	64.20	61.30	60.07

Colour	Order Code	Price Per Reel		
		1+	5+	10+
6A 50m Reel				
White	149-4797●		0.72	
Black	149-4798●		0.72	
10A 50m Reel				
White	149-4799●		0.92	
Black	149-4800●		0.92	
15A 50m Reel				
White	149-4801●		1.18	
Black	149-4802●		1.18	

3 Core Unshielded Electrical Cord

Type SJT



Applications:

- Motor Controls
- In-Plant Power Distribution

Mains Flex - continued

3 Core Unshielded Electrical Cord - continued

Type SJT - continued

Specification:

- Stranded Bare Copper conductors
- Conductors insulated in Blue, Brown & Green/Yellow PVC
- Black PVC Jacket, Unshielded
- Voltage Rating: 300V
- Operating Temperature: -20°C to 60°C
- 76.2m Reels

450368

Wire Size	Diameter (mm)	Alpha Wire Part No.	Order Code	1+	5+	10+	25+	Price Per Reel
18AWG	8.4	1941/3	130-2752●	99.70	94.22	88.22	83.25	
16AWG	8.9	1942/3	130-2753●	139.63	131.95	123.57	116.59	

3 Core Unshielded Electrical Cord

Type SVT



Applications:

- Motor Controls
- In-Plant Power Distribution
- Stranded Bare Copper conductors
- Conductors insulated in Black, White & Green PVC
- Black PVC Jacket, Unshielded
- Voltage Rating: 300V
- Operating Temperature: -20°C to 60°C
- 76.2m Reels

450373

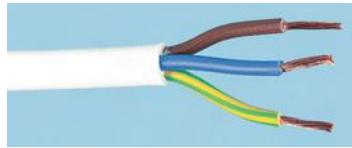
Wire Size	Diameter (mm)	Alpha Wire Part No.	Order Code	1+	5+	10+	25+	Price Per Reel
18AWG	6.4	1951/3T	130-2755●	99.70	94.22	88.22	83.25	

1

2183Y (Har. code H03VV-F3)



Three-Core Oval 300/300V



Flexible mains cable for internal use in the direct connection of equipment to mains power supplies.



- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown, Blue & Yellow/Green
- Available in Black, Grey or White outer sheath
- Manufactured to BS6500
- Supplied in 50m and 100m reels or continuous length in 1m multiples

Nominal Conductor Area (mm²)		Current Rating		Nominal Dia.	
0.5	0.75	3A	6A	5.45	6
Colour	Order Code	1+	5+	10+	25+
3A 100m Reel					
Black	133-3058●	23.33	22.39	21.28	20.42
Grey	133-3059●	23.33	22.39	21.28	20.42
White	133-3055●	23.33	22.39	21.28	20.42
6A 100m Reel					
Black	133-3064●	30.22	29.02	27.56	26.46
Grey	133-3065●	30.22	29.02	27.56	26.46
White	133-3061●	30.22	29.02	27.56	26.46
3A 50m Reel					
Black	133-3056●	12.28	11.78	11.20	10.75
White	133-3054●	12.28	11.78	11.20	10.75
6A 50m Reel					
Black	133-3062●	15.60	14.98	14.23	13.66
White	133-3060●	15.60	14.98	14.23	13.66

335166

Continuous Length in 1m Multiples		Order Code	Price Per Metre		
Colour	Order Code	1+	5+	10+	25+
3A					
Black	138-7675●				0.49
Grey	138-7676●				0.48
White	138-7677●				0.49
6A					
Black	138-7678●				0.63
Grey	138-7681●				0.63
White	138-7682●				0.63

Over 480,000 products online

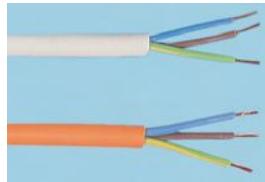


3183Y (Har. code H05VV-F3)

Three-Core Round 300/500V



Cut Lengths Available



- PVC insulated and sheathed flexible mains cords
- Standard core colours, Brown, Blue & Green/Yellow
- Available in various outer sheath colours
- Manufactured to BS6500

Conductor Area (mm²)

0.75	6A	6.7
1	10A	7.05
1.25	13A	8.05
1.5	15A	8.25
2.5	20A	10.2
4	25A	11.5

Current Rating

6A	6.7
10A	7.05
13A	8.05
15A	8.25
20A	10.2
25A	11.5

Nominal Dia. (mm)

Order Code	1+	5+	10+	25+	Price Per Reel
6A 100m Reel					
Black	133-3092●	31.44	30.18	28.67	27.53
Grey	133-3095●	31.44	30.18	28.67	27.53
White	133-3090●	31.44	30.18	28.67	27.53
Orange	133-3096●	31.44	30.18	28.67	27.53
10A 100m Reel					
Black	133-3099●	41.17	39.53	37.55	36.05
Grey	133-3102●	41.17	39.53	37.55	36.05
White	133-3097●	41.17	39.53	37.55	36.05
Orange	133-3103●	40.07	38.46	36.54	35.08
13A 100m Reel					
Black	133-3106●	52.22	50.14	47.64	45.74
Grey	133-3108●	52.22	50.14	47.64	45.74
White	133-3104●	52.22	50.14	47.64	45.74
Orange	133-3109●	52.22	50.14	47.64	45.74
15A 100m Reel					
Black	133-3113●	54.08	51.92	49.33	47.35
Grey	133-3115●	54.08	51.92	49.33	47.35
White	133-3110●	54.08	51.92	49.33	47.35
Orange	133-3116●	52.63	50.52	48.00	46.08
20A 100m Reel					
White	133-3117●	93.50	89.76	85.26	81.86
Black	133-3120●	93.50	89.76	85.26	81.86
Orange	133-3122●	90.99	87.35	82.99	79.66
25A 100m Reel					
Black	133-3126●	141.72	136.06	129.25	124.09

Colour	Order Code	1+	5+	10+	25+	Price Per Reel
6A 50m Reel						
Black	133-3093●	17.77	17.05	16.21	15.56	
White	133-3091●	17.77	17.05	16.21	15.56	
10A 50m Reel						
Black	133-3101●	21.99	21.11	20.07	19.26	
White	133-3098●	21.99	21.11	20.07	19.26	
13A 50m Reel						
White	133-3105●	28.70	27.56	26.18	25.13	
15A 50m Reel						
Black	133-3114●	29.38	28.19	26.80	25.71	
White	133-3111●	29.38	28.19	26.80	25.71	
20A 50m Reel						
Black	133-3121●	50.36	48.35	45.93	44.10	

335175

Continuous Length in 1m Multiples	Order Code	Price Per Metre
Colour	1+	
6A		
Black	138-7683●	0.65
White	138-7684●	0.65
10A		
Black	138-7685●	0.84
White	138-7687●	0.84
15A		
Black	138-7688●	1.17
White	138-7689●	1.17
20A		
Black	138-7690●	1.93
White	138-7691●	1.93

Cable cutting service

With over 900 cables cut to order, see page 80 for details on how to place your order.



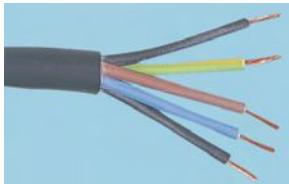
Coiled Mains Flex (0.20, 0.75 & 1.25mm²)  pro-POWER

- Three core, Blue, Brown and Green/Yellow
- PVC insulated extendable mains lead available in three current ratings
- Moulded into a coiled Black, White or Grey PVC sheath.
- Approximate length of 2m

Conductor Area (mm ²)	Length Closed	Current Rating
0.22	0.23m	1A
0.75	0.5m	6A
1	0.5m	10A
1.25	0.5m	13A

208200

Conductor Area	Order Code	Price Each	
		1+	25+
Black			
0.22mm ²	121-9350●	2.69	2.63
0.75mm ²	120-2667●	7.83	7.53
1mm ²	120-2668●	8.68	8.33
1.25mm ²	121-9351●	12.24	11.99
White			
0.22mm ²	121-9352●	3.96	3.87
0.75mm ²	120-2669●	7.83	7.53
1mm ²	120-2670●	8.68	8.33
1.25mm ²	121-9354●	5.37	5.26
Grey			
1mm ²	120-2671●	8.68	8.33

0.75, 1.0, 1.5 and 2.5mm² - 3184Y/3185Y  pro-POWER

- 4 and 5 core PVC insulated copper conductors. Sheathed overall in Black or White PVC to BS6500 Table 16, harmonised code H05VV-F. 4 core brown, black, grey, green/yellow. 5 core as above +1 blue conductor

- Available in 100m reels and cut to length

Conductor Area	Nominal Conductor Size	Diameter External	Nominal Current	Price Per Reel
0.75mm ²	24 x 0.2mm	7.7mm	6A	
1mm ²	32 x 0.20mm	8.5mm	10A	
1.5mm ²	30 x 0.25mm	10mm	15A	
2.5mm ²	50 x 0.25mm	13mm	20A	

Conductor Area	Order Code	Price Per Reel
100m Reels		
4 core(Black)		
0.75mm ²	133-3130●	41.17
1mm ²	133-3132●	52.70
1.5mm ²	133-3134●	77.32
2.5mm ²	133-3138●	117.67
5 core(Black)		
0.75mm ²	133-3140●	51.69
1mm ²	133-3142●	65.52
1.5mm ²	133-3144●	92.92
2.5mm ²	133-3146●	138.72
4 core(White)		
0.75mm ²	133-3129●	41.17
		39.53

207983

Conductor Area	Order Code	Price Per Metre
4 core (Black)		
0.75mm ²	138-7692●	0.86
1mm ²	138-7693●	1.09
1.5mm ²	138-7694●	1.58
2.5mm ²	138-7695●	2.60
5 core (Black)		
0.75mm ²	138-7696●	1.08
1mm ²	138-7699●	1.38
1.5mm ²	138-7702●	2.01
2.5mm ²	138-7705●	2.60

H07RN-F Cable



- Flexible, single and multi-core insulated and sheathed cable
- H07RN-F 450/750V part 4 and HD 22.4 S3 and DIN VDE 0282 part 4
- Voltage rated: 450/750V rms
- Ethylene propylene rubber sheath, type EI 4
- Operating temperature: -25 to 60°C
- Flexible tinned copper conductors
- Ideal for water pumps, portable equipment or machine tools

Mains Flex - Rubber Insulated - continued**3182 VR/TRS - 2 Core - continued**

100m - 4 Core		Price Per Reel		
Conductor Area	Order Code	1+	5+	10+
0.75mm ²	146-5898●	91.85	85.43	76.89
1mm ²	146-5899●	93.63	87.06	78.37
1.5mm ²	146-5901●	160.50	149.26	134.33

208131

Continuous Length in 1m Multiples - 4 Core		Price Per Metre	
Conductor Area	Order Code	1+	
0.75mm ²	149-4827●	1.56	
1mm ²	149-4828●	1.60	
1.5mm ²	149-4829●	2.73	

H07ZZ-F Multicore Cable
Offlex Halogen Free Rubber cables**Cut Lengths Available**

H07ZZ-F multicore are Halogen free Rubber cables for use in tools and agricultural machinery. Acc. to VDE 0100 part 711 these cables are permitted in buildings for shows and booths without fire alarm system. The cables are for use in dry and damp interiors as well as outdoors.

Minimum bend radius (flexing)	6 x diameter
Minimum bend radius (static)	4 x diameter
Temperature range (flexing)	-5 to 70°C
Temperature range (static)	-40 to 70°C
Working voltage	450/750V

490970

Continuous Length in 1m Multiples		Price Per m	50m Reel		
Cores*	O/D (mm)		Order Code	1+	5+
1.5mm²					
3	9.2 - 11.9	150-4177●	150-4013●	97.29	92.42
4	10.2 - 13.1	150-4178●	150-4014●	124.36	118.14
5	11.2 - 14.4	150-4179●	150-4015●	147.81	140.42
6	15.4 - 17.6	150-4180●	150-4016●	270.43	256.92
2.5mm²					
3	10.9 - 14.0	150-4181●	150-4017●	140.52	133.49
4	12.1 - 15.5	150-4182●	150-4018●	176.92	168.08
5	13.3 - 17.0	150-4183●	150-4019●	219.15	208.19
7	18.2 - 20.7	150-4184●	150-4020●	385.17	365.92
4.0mm²					
4	14.0 - 17.9	150-4185●	150-4021●	249.57	237.09
6.0mm²					
4	15.7 - 20.0	150-4187●	150-4023●	348.85	331.41
					314.84

* Number of cores excludes green/yellow earthing conductor

Mains Flex - Arctic Grade**3183YAG - Artic Grade**
Three-Core Round Artic Flex

Voltage rating	Conductor Area (mm ²)	Operating temperature	-20°C to +70°C		
			Min.	Max.	Current Rating (A)
300/500V	0.75mm ²	6.4	8	6	
	1.5	8	9.8	15	
	2.5	9.6	12	20	
100m Reels		Price Per Reel			
Conductor Area	Order Code	1+	5+	10+	25+
Yellow					
0.75mm ²	120-2675●	55.02	50.23	44.51	38.48
1.5mm ²	163-7998●	54.04	49.92	45.17	41.73
2.5mm ²	163-8000●	85.15	79.43	74.46	67.08
Blue					
0.75mm ²	163-2291●	40.44	36.92	32.72	28.29
1.5mm ²	163-7999●	54.04	49.92	45.17	41.73
2.5mm ²	163-8001●	85.15	79.43	74.46	67.08
Orange					
0.75mm ²	120-2676●	55.62	50.78	45.00	38.90
1.5mm ²	120-2677●	55.20	50.99	46.14	42.63
2.5mm ²	120-2678●	117.88	109.96	103.08	92.86

230420

Continuous Length in 1m Multiples		Order Code	Price Per Metre
Conductor Area			
Yellow			
0.75mm ²	163-8054●		0.64
1.5mm ²	163-8055●		1.34
2.5mm ²	163-8056●		2.14
Blue			
0.75mm ²	163-8057●		0.64
1.5mm ²	163-8058●		1.34
2.5mm ²	163-8059●		2.14
Orange			
0.75mm ²	163-8060●		0.64
1.5mm ²	163-8061●		1.34
2.5mm ²	163-8062●		2.14

Mains Flex - Heat Resisting**Silicone Insulated, 3093Y**

Blue, Brown and Green/Yellow		
Tinned copper conductors		
Silicone rubber insulated to BS6899		
Sheathed overall in high temperature PVC to BS6746 , Type 4		
Max. working temperature	85°C Sheath, 150°C Core	
Voltage rating	300/500V	
Conductor Area (mm ²)	Outside Diameter (mm) Min. Max.	Current Rating (20°C)
0.5	5.8 7.8	3A
0.75	6.4 8.0	6A
1	6.8 8.4	10A
1.5	7.3 8.00	15A

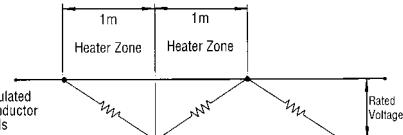
230421

Conductor Area	Order Code	1+	5+	10+	25+
Black (100m Reels)					
0.5mm ²	117-9218●	107.04	99.97	97.98	85.68
0.75mm ²	117-9219●	109.52	107.34	105.18	96.09
1mm ²	117-9220●	132.66	123.83	121.35	106.05
Black (25m Reels)					
0.75mm ²	117-9221●	32.16	30.56	29.03	27.57
1.5mm ²	117-9222●	55.65	52.87	50.23	47.72
White (25m Reels)					
0.75mm ²	117-9225●	107.12	101.77	96.68	--
1.5mm ²	117-9227●	55.65	52.87	50.23	47.72

207973

Parallel Circuit Heating Cable**VC240V 8W/m**

Equivalent Circuit



Dimensions	9.75 x 5.25	Output rating	8W @ 240V
Operating temperature	-60°C to +200°C	Voltage rating	240V ac/dc
Surface temperature @ 20 ambient	38°C		
20m Reel Kit	Price Each		
Order Code	1+	5+	10+
217-116	119.00	113.22	107.05
			98.31

Find our **Cable Locators** on 1464

Mains Installation

Steel Wire Armoured Cable



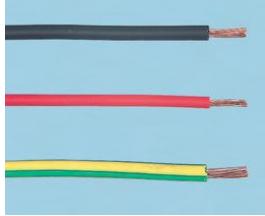
Designed for mains supply electricity. This range of cable is suitable for outside and direct burial. XLPE offers advantages over both PVC and Polythene, notably in its ability to allow greater current carrying capacity, higher overload and short circuit performance.

- Suitable for mains supply electricity and can be used externally or buried.
- Cross linked polyethylene (XLPE) insulated booklet armoured cables benefit from superior thermal and mechanical properties
- Conform to: BS6360 - Conductors, BS6746 Type G - Sheath, BS442 - Armour

493255

50m Reel		Conductor Area (mm ²)	Outside Dia. (mm)	Order Code	Price Each		
1+	5+				10+		
2 Core							
1.5	12.4	151-8532●	50.36	47.84	45.44		
2.5	13.2	151-8533●	66.07	62.76	59.62		
4	14.3	151-8534●	76.47	72.64	69.01		
6	15.4	151-8535●	113.40	107.73	102.35		
3 Core							
1.5	12.9	151-8536●	60.66	57.62	54.73		
2.5	13.8	151-8538●	81.77	77.68	73.80		
4	14.9	151-8539●	111.12	105.56	100.28		
6	17.4	151-8540●	148.26	140.84	133.79		
4 Core							
1.5	13.7	151-8541●	72.10	68.49	65.07		
2.5	14.7	151-8542●	98.84	93.90	89.20		
4	16.4	151-8543●	137.33	130.47	123.94		
6	18.3	151-8544●	200.28	190.26	180.75		

6491X Conduit Cable BS6004



- BASEC approved
- Harmonic type HO7V-R1(1.5mm to 25mm) or HO5V-U1(1.0mm)
- Copper conductors are insulated with PVC to BS 6004 table 1
- Voltage ratings between conductor & earth: 450V (750V between conductors)
- Various insulation colours available
- Supplied in 100m reels

These cables are for use in electrical installation applications where cables are going to be protected by conduit or trunking. They may also be used inside fixed, protected installations such as light fittings, appliances, switchgear and control gear, which are to be used in normal temperature zones.

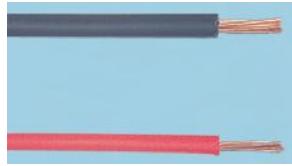
Conductor CSA	Strands	Current Rating	Nominal Outside Dia	Conductor CSA	Strands	Current Rating	Nominal Outside Dia
1mm ²	1 x 1.13mm	13A	2.8mm	6mm ²	7 x 1.04mm	41A	5.4mm
1.5mm ²	7 x 0.53mm	17A	3.5mm	10mm ²	7 x 1.35mm	55A	6.8mm
2.5mm ²	7 x 0.67mm	24A	4.2mm	16mm ²	7 x 1.7mm	74A	8mm
4mm ²	7/0.85mm	32A	4.8mm				

337967

Order Code	Colour	Price Per Reel	
		1+	5+
1.0mm²			
120-2719●	Red	13.470	12.800
133-3157●	Black	13.470	12.800
133-3158●	Blue	13.470	12.800
133-3160●	Green / Yellow	13.470	12.800
133-3162●	Grey	13.210	12.550
1.5mm²			
133-3167●	Grey	15.610	14.830
120-2722●	Red	15.610	14.830
133-3163●	Black	15.610	14.830
133-3165●	Brown	12.240	11.630
133-3166●	Green / Yellow	15.610	14.830
133-3164●	Blue	15.610	14.830
2.5mm²			
133-3172●	Grey	22.340	21.680
133-3170●	Brown	22.340	21.680
120-2725●	Red	22.340	21.680
133-3168●	Black	22.340	21.680
133-3169●	Blue	22.340	21.680
120-2729●	Yellow	22.340	21.680
133-3171●	Green / Yellow	22.340	21.680
4.0mm²			
133-3174●	Black	38.710	36.780
133-3178●	Grey	37.950	36.060
133-3176●	Brown	38.710	36.780
133-3175●	Blue	38.710	36.780
133-3177●	Green / Yellow	38.710	36.780

Order Code	Colour	Price Per Reel	
		1+	5+
6.0mm²			
133-3183●	Grey	51.840	50.290
133-3181●	Brown	50.820	49.300
133-3182●	Green / Yellow	51.840	50.290
133-3179●	Black	51.840	50.290
133-3180●	Blue	51.840	50.290
10mm²			
133-3189●	Grey	84.090	81.570
133-3187●	Brown	85.770	83.200
133-3188●	Green / Yellow	85.770	83.200
133-3186●	Blue	85.770	83.200
133-3184●	Black	67.270	65.260
16mm²			
133-3190●	Black	137.250	133.130
133-3194●	Grey	137.250	133.130
133-3192●	Brown	110.168	107.606
133-3191●	Blue	107.650	104.420
133-3193●	Green / Yellow	137.250	133.130
25mm²			
133-3198●	Brown	226.790	215.440
133-3196●	Blue	226.790	215.440
133-3199●	Green / Yellow	226.790	215.440

Conduit Wire 6491B-LSF



Plain annealed copper conductors insulated in LSF (low smoke and fume) thermosetting insulation manufactured to BS7211.

Current Rating	Conductor Area mm ²	Conductor Size (mm)	Nominal Outside Dia.
17A	1.5mm ²	7 x 0.53mm	3.5mm
24A	2.5mm ²	7 x 0.67mm	4.2mm
32A	4mm ²	7 x 0.85mm	4.8mm
41A	6mm ²	7 x 1.04mm	5.4mm
55A	10mm ²	7/1.35mm	6.1mm
74A	16mm ²	7/1.7mm	7.1mm

Voltage rating 450/750V Max. operating temperature +90°C

37554

Colour	Order Code	Price Per Reel (100m)	
		1+	5+
17A (1.5mm²)			
Black	133-3201●	19.13	18.17
Grey	133-3206●	19.13	18.17
Brown	133-3204●	19.13	18.17
Blue	133-3202●	19.13	18.17
Green / Yellow	133-3205●	19.13	18.17
24A (2.5mm²)			
Black	133-3207●	29.02	27.57
Grey	133-3211●	29.02	27.57
Brown	133-3209●	29.02	27.57
Blue	133-3208●	29.02	27.57
Green / Yellow	133-3210●	29.02	27.57
32A (4.0mm²)			
Black	133-3212●	49.68	47.20
Grey	133-3217●	49.68	47.20
Brown	133-3214●	49.68	47.20
Blue	133-3213●	49.68	47.20
Green / Yellow	133-3216●	49.68	47.20
41A (6.0mm²)			
Black	133-3218●	73.04	69.39
Blue	133-3219●	73.04	69.39
Green / Yellow	133-3221●	73.04	69.39
Brown	133-3220●	57.29	54.42
55A (10mm²)			
Green / Yellow	146-5889●	111.54	105.97
74A (16mm²)			
Green / Yellow	146-5890●	145.29	138.03

Glass Fibre Braided Silicone Rubber Cable



- Tinned copper stranded conductor covered with silicone rubber and a glass fibre braid
- Suitable for use where PVC cables become brittle due to high temperature variations
- Temperature rating 150°C continuous and short term up to 180°C
- Supplied in 25m reels

Conductor Make-up	Current Rating	Voltage Rating	Nominal Outside Dia.
24/0.2mm	6A	300V	2.5mm
30/0.2mm	15A	300V	3mm

37757

Type	Order Code	1+	5+
24/0.2mm	146-5916●	34.02	30.43
30/0.2mm	146-5917●	35.66	31.70

Signal/Security Cable

Composite CCTV Cable

Jacketless - Riser Rated



- Designed CCTV/Surveillance applications
- No overall jacket
- Composite consists of 3 groups of cables
- Banana Peel® construction with coax, twisted pair and unshielded conductors
- 152.4m Reels

Cable Group 1 - Video RG 59/U Coax, 20 AWG (solid) Bare Copper
Cable Group 2 - Control 1 Pair, Shielded, Stranded Bare Copper
130-2866 = 23 AWG, 130-2867 = 22 AWG, 130-2868 = 18 AWG,
Cable Group 3 - Power 2-Conductor, 18 AWG, Unshielded, Stranded Bare Copper

Nominal OA Diameter	Minium Bend Radius	Maximum Pulling Tension	Mfrs List No.	Order Code
0.411"	4.1"	115lb	500PTZ 000500	130-2866
0.419"	4.2"	120lb	501PTZ 000500	130-2867
0.451"	4.5"	140lb	502PTZ 000500	130-2868

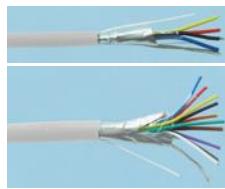
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Order Code	1+	5+	10+
130-2866●	290.31	275.80	262.00
130-2867●	324.12	307.90	292.51
130-2868●	358.35	340.43	323.42

7/0.18mm (0.24mm²) Alarm Cable



New



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in Grey PVC
- Suitable for security, alarm and signal applications
- Available in 100m reels

Overall diameter 2 Core (3mm), 4 Core (3.5mm), 6 Core (4.1mm), 8 Core (4.5mm), 10 Core (5.2mm) nom.

Core Colour Codes 2 Core: Red, Blue
4 Core: Red, Blue, Black, Yellow
6 Core: Red, Blue, Black, Yellow, White, Green
8 Core: Red, Blue, Black, Yellow, White, Green, Brown, Orange
10 Core: Red, Blue, Black, Yellow, White, Green, Brown, Orange, Purple, Grey

523732

100m Reels	Order Code	1+	5+	10+
2	164-3739●	10.51	10.19	9.88
4	164-3740●	19.39	18.80	18.24
6	164-3741●	26.65	25.84	25.07
8	164-3742●	32.65	31.67	30.72
10	164-3743●	40.59	39.37	38.19

7/0.2mm (0.2mm²) Alarm Cable



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in White PVC to BS4737:Section 3.30
- Suitable for security, alarm and signal applications
- Available in 100m reels

Overall diameter 4 Core (4.35mm), 6 Core (4.35mm), 8 Core (4.35mm) nom.
Current rating 1A @ 50V ac

Max. Operating Temp 70°C

Core Colour Codes 4 Core: Red, Blue, Yellow, Black
6 Core: Red, Blue, Yellow, Black, White, Green
8 Core: Red, Blue, Yellow, Black, White, Green, Orange, Brown

219624

100m Reels	Outside Dia. (mm)	Order Code	1+	5+	10+
4	3.45	120-2764●	18.34	15.00	12.69
6	4	120-2765●	26.36	22.29	17.67
8	4.35	120-2767●	31.87	27.52	21.02

Screened - Alarm Cable



7/0.2mm (0.22mm²)



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in White PVC to BS4737
- Suitable for security, alarm and signal applications
- Foil screened overall

Current rating 1A
Voltage rating 50V rms

232124

100m Reels

No. of Cores

4

6

8

Order Code

378-7709

378-7710

378-7722

Price Per Reel

1+

14.71

11.72

15.25

19.76

Low Smoke and Fume

7/0.2mm (0.22mm²)



pro-POWER



- Tinned copper conductors with a colour coded PVC insulator, sheathed overall in low smoke and fume (LSF) White PVC to BS4737
- Suitable for security, alarm and signal applications

Overall diameter

4 Core

6 Core

1A

3.5mm

4.1mm

50V rms

232125

100m Reels

No. of Cores

4

6

Order Code

378-7734

378-7746

Price Per Reel

1+

5+

10+

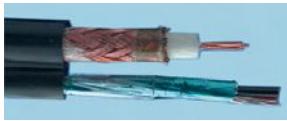
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9265 Audio and Video Composite Camera



Cut Lengths Available



- Consisting one coax-composite video, plus one twisted pair audio
- Coax 22AWG (730/AWG) 0.30 bare copper conductor
- Foam polyethylene dielectric. Excellent mechanical abilities

- Braid shield giving 95% coverage
- 1 twisted pair conductors each comprising 22AWG (730/AWG) tinned copper
- Colour coded Red, Black PVC insulation, encased in Beldfoil® shield, giving 100% coverage
- Overall cable Black PVC jacketed Siamese cable RG59 type
- Cable can be used in different configurations e.g. CCTV, where twisted pairs can be used to power camera, alternatively twisted pairs can be used for audio/microphone applications such as company videos, onsite recording, training films, etc.

Nominal outside diameter

6.15 x 11.94 Coax max attenuation (100m)

Nominal Impedance

75Ω coax, 35Ω conductors 1MHz @ 1.0dB

Nominal Capacitance

167.3pF/m, 56.8pF/m 10MHz @ 3.3dB

Conductor/Coax resistance

49.2Ω/km 50MHz @ 6.9dB

100MHz @ 9.8dB

202823

152.5m Reel

Belden No.

Order Code

118-2129●

338.01

Continuous Length in 1m Multiples

296.20

277.11

9265

121-8663●

5.75

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Price Per Metre

1+

5+

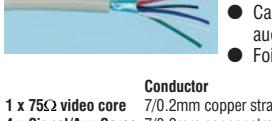
10+

25+

Covert Camera Cable



pro-POWER



- Small Grey cable ideal for covert camera installations
- Cable is 5mm diameter and capable of carrying video, audio, alarm and 12V power signals together
- Foil screened and PVC sheathed

Conductor

7/0.2mm copper strand

4 x Signal/Aux Cores

PVC

Overall

PVC

Outside Diameter

32/0.12 braid copper

Colour

Yellow

Blue, Green, White, Red

White

232129

100m Reel

Order Code

378-7930

81.00

76.81

67.96

232129

CCTV Cable



pro-POWER



- Black composite cable ideal for use with CCTV
- 6 cores, 2 x 12V power, 1 x 75Ω coaxial and 3 x signal
- Foil screened

Conductor

16/0.2mm copper strand

Insulator

3mm polythene

Conductive Cross-section

0.44mm²

Screen

32/0.12 braid copper

Colour

Black, Red

Blue, Green, White

Overall

Black PVC Sheath, Nominal outside diameter 7.9mm

232131

100m Reel

Order Code

378-7941

44.92

37.73

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Price Per Reel

1+

5+

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Signal/Security Cable - continued**Security and Alarm Cable**

Non - Paired Cable



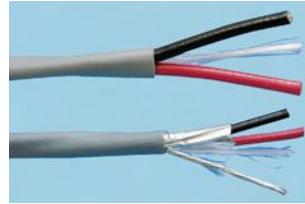
- Commercial applications shielded
- 18 AWG Bare copper conductors
- 7 x 26 Stranding
- PE Insulation
- Grey FRNC Jacket with ripcord
- Supplied in 100m reels

BELDEN
SENDING ALL THE RIGHT SIGNALS

477971

BELDEN
SENDING ALL THE RIGHT SIGNALS
Commercial Audio System Cable

5200 FE/UE Non-Paired



- 16 AWG Bare copper conductor
- PVC insulation
- PVC jacket with ripcord
- Sequential footage marking every two feet
- UL1666
- Intercom/PA Systems, Sound/Audio Systems

478396

Security and Alarm Cable

Non - Paired Cable



- 22 AWG Bare copper conductors
- 7 x 30 Stranding
- PE Insulation
- Flame Retardant Non-Corrosive Jacket with ripcord
- Sequential meter marking
- Intercom/PA Systems, Sound/Audio Systems
- Supplied in 100m reels

BELDEN
SENDING ALL THE RIGHT SIGNALS

478166

BELDEN
SENDING ALL THE RIGHT SIGNALS
Security and Alarm Cable

Non - Paired Cable



- 18 AWG Bare copper conductors
- 7 x 26 Stranding
- PVC Insulation
- Grey PVC Jacket with ripcord
- Supplied in 152.4m reels

478176

1

Commercial Audio System Cable

5000UE Non-Paired

BELDEN
SENDING ALL THE RIGHT SIGNALS


- 12 AWG Bare copper conductor
- PVC insulation
- PVC jacket with ripcord
- Sequential footage marking every two feet

- UL1666
- Applications: Intercom/PA Systems, Sound/Audio Systems, Fire Alarm

Nominal outside diameter 6.81mm Operating temperature -20°C to +75°C
Capacitance (Core-Core) 33.5pF/ft Max operating voltage 300V rms

478395

BELDEN
SENDING ALL THE RIGHT SIGNALS
Commercial Audio System Cable

5400FE Non-Paired



- 20 AWG Bare copper conductor
- PVC insulation
- Conductors cabled
- PVC jacket with ripcord
- Sequential footage marking every two feet
- Beldfoil® shield tape with drain wire
- UL1666
- Intercom/PA Systems, Sound/Audio Systems

478400

Nominal outside diameter 3.68mm Operating temperature -20°C to +75°C
Current (per conductor) 3.75A Max operating voltage 300V rms

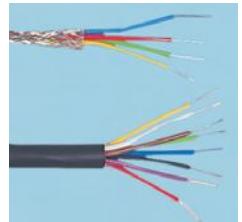
Commercial Audio System Cable

Non - Paired Cable

BELDEN
SENDING ALL THE RIGHT SIGNALS


- 14 AWG Bare copper conductors
- 19 x 27 Stranding
- PVC Insulation
- PVC Jacket with ripcord
- Sequential footage marking every two feet
- Supplied in 152.4m reels
- 300Vrms Voltage Rating

478188

BELDEN
SENDING ALL THE RIGHT SIGNALS
Multicore Cable**Multicore Cable**


- Tinned copper conductors, PVC, insulated, Melinex taped, tinned copper braid screened overall where applicable
- PVC sheathed overall to **BS6746**, having the following colours:

Up to 36 Core*			
1 Red	9 Orange	17 Red/Black	25 Yellow/Green
2 Blue	10 Pink	18 Red/Brown	26 White/Green
3 Green	11 Turquoise	19 Yellow/Blue	27 Green/Black
4 Yellow	12 Grey	20 White/Blue	28 Orange/Green
5 White	13 Red/Blue	21 Blue/Black	29 Grey/Green
6 Black	14 Green/Red	22 Orange/Blue	30 Yellow/Brown
7 Brown	15 Yellow/Red	23 Green/Blue	31 White/Brown
8 Violet	16 White/Red	24 Grey/Blue	32 Brown/Black

*Up to 25 Core
23 Yellow/Green 24 White/Green 25 Orange/Green

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208259

Warning: Due to the design of these cables, they are not to be regarded as power cables or cables for the direct connection of equipment to mains power supplies.

Sub Miniature - Screened

7/0.1mm (0.055mm²)

Voltage rating	250V (RMS)	Maximum current per core	0.25A
Conductor area	0.055mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		208260

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
				1+	5+	10+
4	2.9	25	119-0156●	25.92	25.11	23.02
		100	119-0157●	80.45	78.12	76.24
6	3.3	25	119-0158●	26.04	25.50	23.17
		100	119-0159●	89.68	85.90	82.69
9	4	25	119-0160●	35.52	35.04	32.08
		100	119-0161●	117.16	111.71	109.05
15	5	25	119-0162●	46.81	43.99	41.55
		100	119-0164●	132.29	129.22	126.06
25	6	25	119-0165●	71.72	68.89	67.11

Miniature: Screened

7/0.2mm (0.22mm²)

Voltage rating	440V (RMS)	Maximum current per core	1A
Conductor area	0.22mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		208261

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
				1+	5+	10+
4	4.6	25	119-0168●	15.94	15.26	12.58
		100	119-0170●	57.55	53.60	41.24
8	6.3	25	119-0171●	25.50	24.60	18.36
		100	119-0172●	90.33	85.72	65.65
12	7.2	25	119-0173●	35.68	30.47	23.75
		100	119-0174●	114.26	104.62	89.90
20	8.6	25	119-0175●	60.25	51.39	49.03
		100	119-0176●	261.06	232.08	218.70
36	10.7	25	119-0177●	128.38	110.86	100.83
		100	119-0178●	285.29	265.00	251.17

Standard - Screened

16/0.2mm (0.5mm²)

Voltage rating	440V (RMS)	Maximum current per core	2.5A
Conductor area	0.5mm ² per core	Max. operating temperature	70°C
Sheath colour	Grey		208262

No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
				1+	5+	10+
4	7.3	25	119-0181●	38.99	37.39	35.72
		100	119-0182●	145.87	141.02	134.15
6	8.3	25	119-0183●	42.46	40.71	40.07
		100	119-0185●	153.87	148.20	142.93
12	11	25	119-0186●	65.59	62.57	59.35
		100	119-0187●	196.11	192.24	184.20

DEF STAN 61-12 Part 4 - Unscreened

7/0.1mm (0.055mm²) 7-1-A Type

Voltage rating	250V (RMS)	Maximum current per core	0.25A
Conductor area	0.055mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		208112

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
					1+	5+	10+
7-1-2A	2	2.5	25	119-0190●	6.70	6.50	
			100	119-0191●	5.62	4.74	
7-1-3A	3	2.6	25	119-0193●	28.88	24.73	
			100	119-0195●	31.42	28.24	
7-1-4A	4	2.8	25	119-0194●	11.78	10.08	
			100	119-0196●	13.47	11.97	
7-1-6A	6	3.3	25	119-0197●	37.19	32.95	
			100	119-0198●	40.02	32.08	
7-1-9A	9	3.9	25	119-0199●	47.56	43.95	
			100	119-0201●	60.85	56.59	
7-1-12A	12	4.1	100	119-0202●	64.93	57.93	
			100	119-0202●	64.93	57.93	
7-1-15A	15	4.5	100	119-0202●	64.93	57.93	

DEF STAN 61-12 Part 4 - Unscreened

7/0.2mm (0.22mm²) 7-2-A Type

Voltage rating	440V (RMS)	Maximum current per core	1A
Conductor area	0.22mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		208002

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
					1+	5+	10+
7-2-2A	2	3.4	25	119-0204●	6.87	5.92	4.51
			100	119-0205●	19.18	17.32	15.26
7-2-3A	3	3.5	25	119-0206●	10.97	8.20	6.88
			100	119-0208●	23.35	21.27	18.09
7-2-4A	4	3.9	25	119-0211●	13.18	10.35	8.11
			100	119-0212●	32.65	27.58	24.24
7-2-6A	6	4.6	25	119-0213●	15.98	13.82	11.43

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code	Price Per Reel		
					1+	5+	10+
7-2-8A	8	5.5	25	119-0214●	41.36	36.17	30.37
			100	119-0215●	17.30	14.98	12.53
7-2-12A	12	6.1	25	119-0216●	48.03	42.90	37.98
			100	119-0218●	70.76	61.34	52.99
7-2-18A	18	7.4	25	119-0219●	27.20	24.23	22.53
			100	119-0220●	101.40	92.77	85.32
7-2-20A	20	7.8	25	119-0221●	30.13	26.14	24.23
			100	119-0223●	126.59	114.37	104.03
7-2-25A	25	8.7	25	119-0224●	49.06	41.81	36.94
			100	119-0226●	154.02	137.99	124.97
7-2-36A	36	9.8	100	119-0228●	221.46	203.95	179.03

DEF STAN 61-12 Part 4 - Screened

7/0.1mm (0.055m²) 7-1-C Type

Voltage rating	250V (RMS)	Maximum current per core	0.25A
Conductor area	0.055mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		208111

Cable Ref	No. of Cores	Nom. Dia. (mm)	Length (m)	Order Code
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Multicore Cable - continued**DEF STAN 61-12 Part 5 - Screened**16/0.2mm (0.5mm²) 16-2-C Type

Voltage rating	440V (RMS)	Maximum current per core	2.5A
Conductor area	0.5mm ² per core	Max. operating temperature	70°C
Sheath colour	Black		208004

Cable Ref	No. of Cores	Nom. Dia. (mm)	Reel Length (m)	Order Code	Price Per Reel 1+	5+	10+
16-2-2C	2	6.9	25	119-0299●	23.63	20.80	14.65
			100	119-0300●	86.96	78.18	55.81
16-2-3C	3	7.2	25	119-0302●	24.56	21.48	16.22
			100	119-0303●	90.70	81.97	62.93
16-2-4C	4	7.7	25	119-0304●	38.01	36.61	24.11
			100	119-0305●	147.43	142.95	99.25
16-2-6C	6	8.7	25	119-0306●	42.50	40.75	28.30
			100	119-0307●	137.72	129.78	100.98
16-2-8C	8	9.2	25	119-0308●	64.26	56.39	38.44
			100	119-0309●	192.52	168.82	126.79
16-2-12C	12	11	25	119-0310●	63.55	61.07	48.73
			100	119-0311●	201.24	195.97	168.25
16-2-18C	18	12.5	25	119-0312●	97.67	95.03	78.40
			100	119-0314● H	222.00	210.82	199.15
16-2-25C	25	14.6	25	119-0315●	86.88	75.42	63.30
			100	119-0316● H	295.56	270.49	224.72

H Heavy items, special delivery conditions apply

Temperature Resistant Halogen Free Silicone Multicore Cable

SILFLEX® SiHF



SILFLEX® SiHF are silicone cables and are recommended for use in high ambient temperatures with sufficient ventilation and small mechanical stress. SILFLEX SiHF is resistant against mineral oil, alcohol, acids, alkalis, salt solution and salt water (at 20°C). After combustion, a SiO₂ ash skeleton remains, which still has good insulating properties but doesn't have any mechanical stability. The gasses are halogen free and not corrosive.

- Operating temperature -50°C to 180°C max
- Silicone insulation
- Tinned stranded copper conductors

Mfrs. List No.	Cores	Size (CSA)	Current carrying capacity-amps 30°C nominal rise	Diameter External (Max)
0046001	2	0.75mm ²	12	6.4mm
0046002	3	0.75mm ²	12	6.8mm
0046003	4	0.75mm ²	12	7.6mm
0046006	7	0.75mm ²	12	9.2mm
0046007	2	1mm ²	15	6.6mm
0046008	3	1mm ²	15	7mm
00460093	4	1mm ²	15	7.9mm
0046012	7	1mm ²	15	9.5mm
0046013	2	1.5mm ²	18	7.6mm
0046014	3	1.5mm ²	18	8mm
00460153	4	1.5mm ²	18	8.8mm
0046018	7	1.5mm ²	18	10.4mm
0046019	2	2.5mm ²	26	8.8mm
0046020	3	2.5mm ²	26	9.7mm
00460213	4	2.5mm ²	26	10.6mm
0046024	7	2.5mm ²	26	12.6mm

448819

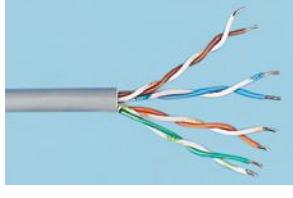
50m Reels No of Cores	Mfrs.List No.	Order Code	Price Per Reel/Metre 1+	5+	10+
0.75mm²					
2	0046001	128-5975●	47.29	43.79	41.37
3	0046002	128-5976●	60.16	55.70	52.63
4	0046003	128-5977●	79.19	73.33	69.29
7	0046006	128-5978●	128.07	118.59	112.06
1mm²					
2	0046007	128-5979●	59.91	55.46	52.42
3	0046008	128-5980●	74.24	68.73	64.95
4	00460093	128-5982●	95.83	88.72	83.84
7	0046012	128-5983●	152.35	141.08	133.30
1.5mm²					
2	0046013	128-5984●	77.11	71.40	67.46
3	0046014	128-5985●	91.94	85.12	80.45
4	00460153	128-5986●	115.81	107.23	101.32
7	0046018	128-5988●	202.64	187.65	177.31
2.5mm²					
2	0046019	128-5989●	117.50	108.80	102.81
3	0046020	128-5990●	144.27	133.60	126.24
4	00460213	128-5991●	182.15	168.67	159.38
7	0046024	128-5992●	305.47	282.86	267.28
Continuous Length in 1m Multiples					
0.75mm²					
2	0046001	149-1467●	2.32		
3	0046002	149-1468●	2.94		
4	0046003	149-1469●	3.87		
7	0046006	149-1470●	6.26		
1mm²					
2	0046007	149-1471●	2.92		
3	0046008	149-1472●	3.62		
4	00460093	149-1473●	4.68		
7	0046012	149-1474●	7.30		
1.5mm²					
2	0046013	149-1475●	3.76		
3	0046014	149-1476●	4.49		
4	00460153	149-1478●	5.66		
7	0046018	149-1479●	9.90		

448819

50m Reels No of Cores	Mfrs.List No.	Order Code	Price Per Reel/Metre		
			1+	5+	10+
2.5mm²					
2	0046019	149-1480●		5.73	
3	0046020	149-1481●		7.05	
4	00460213	149-1482●		8.89	
7	0046024	149-1483●		14.93	

Category 5, 6 & 7 Cable**CAT5Plus UTP**

MillenniuM Series



- Four twisted pairs of solid 24 AWG plain copper conductors
- Grey flame retardant PVC sheath
- Low Smoke, Zero Halogen (LSOH) version meets IEC332-1, IEC1034 and IEC754-1
- Exceeds Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A

Nominal outside diameter 4.8mm
Mutual capacitance 55.8nF/km
Conductor resistance 93.8Ω/km
Impedance 100±15Ω

Attenuation to CrossTalk Ratio 65dB @ 1MHz per 100m 54dB @ 10MHz 39dB @ 20MHz 34dB @ 31.25MHz 25dB @ 62.5MHz 16dB @ 100MHz

208244

305m Boxed Reel Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
LSOH UTP C5U-HF1 118-2875●	118-2875●	110.28	102.53	95.39	85.52	78.39
Continuous Length in 1m Multiples Standard UTP GPU 121-8723●	121-8723●	0.47				

GigaPlus UTP

MillenniuM Series



- Four twisted pairs of 24 AWG plain copper conductors
- Exceptional value and performance
- Grey flame retardant PVC sheath
- Exceeds the Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A
- Extended frequency range and attenuation, ideal for Fast Ethernet, Gigabit Ethernet 1000 BASE-T and 155/622 applications
- Standard version available in both 305m boxed reel and cut to length

Nominal outside diameter 4.8mm Attenuation to CrossTalk Ratio 71dB @ 1MHz per 100m 53dB @ 10MHz 45dB @ 20MHz 40dB @ 31.25MHz 31dB @ 62.5MHz 23dB @ 100MHz 9dB @ 200MHz

208246

305m Boxed Reel Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
Standard UTP GPU 118-2878●	118-2878●	60.50	56.28	52.52	51.18	49.89
Continuous Length in 1m Multiples Standard UTP GPU 121-8723●	121-8723●	0.47				

Powercat Cat5e

- 4 pair 24AWG 350MHz UTP PVC cable
- Designed to support high speed data transmission systems such as gigabit ethernet and 622Mbps ATM
- Meets Powersum principle requirements
- Exceeds Category 5E requirements
- Colour coded for easy installation

Nominal outside diameter 5.5mm Attenuation per 100m 0.6mm 1.9dB @ 1MHz 90Ω/km 7.2dB @ 16MHz Impedance 100Ω 19.6dB @ 100MHz 38.8dB @ 100MHz

248708

305m Reel Mfrs.List No.	Order Code	1+	3+
Standard UTP 431-8663	431-8663	100.51	97.31

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Prices are in £ sterling & exclusive of VAT

1583E-Category 5E Unshielded Twisted Multipair
BELDEN
SENDING ALL THE RIGHT SIGNALS

- Four twisted pairs of solid 24 AWG copper conductors
- Polyethylene insulated jacket, flame retardant to IEC/332-1 flame test 1
- To EIA/TIA 568 and ISO/IEC 11801 requirements, EC verified



Cut Lengths Available

- Jacket sequentially marked at 1m intervals
- Applications suitable up to 100MHz

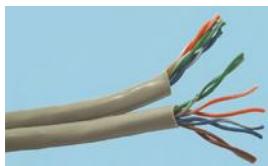
Nominal outside diameter	5mm	Max. attenuation per 100m	9.2dB @ 20MHz, 11.8 @ 31.25MHz, 17.1dB @ 62.5MHz 22dB @ 100MHz
Nominal Impedance	100Ω		
Conductor resistance	93.5Ω/km		
Nominal capacitance @ 1kHz	50pF/m		

208210

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
1583E	304.8m	121-2949●	67.49
1583E(NH)	304.8m	121-8056●	97.85
Continuous Length in 1m Multiples		124-2873●	0.75

Twin CAT 5e UTP

1667E Paired


BELDEN
SENDING ALL THE RIGHT SIGNALS

- Horizontal and building backbone cable
- Support current CAT 5 and CAT 5e applications
- 24 AWG stranded (2x4) solid bare copper conductor
- Polyethylene insulation
- PVC jacket

Nominal outside diameter	5.0mm x 10.5mm	Current (per conductor)	1.4A
Operating temperature	-20°C to +60°C	Velocity of propagation	70%
Max operating voltage	48V rms		478498

Reel Size	Order Code	1+	5+	10+
304.8m	142-3238●	392.34	380.56	369.14

CAT 5e - UTP
SPC pro-POWER

New

- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network(ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

CSA 0.196mm ²	Conductor 1 / 0.5mm	Outer Diameter 5.1mm
523724		

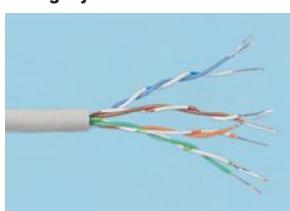
Order Code	Reel Size	1+	5+	10+
164-3726●	304.8m	74.36	72.13	69.97

Cat 5e - UTP
Draka


- High quality 4 pair Cat5e
- 0.5mm solid copper conductors
- PVC insulated

Nom. overall dia.	4.75mm	Operating temperature	-20°C to +60°C
467247			

305m Reels	Order Code	1+	5+	10+	15+	20+
Colour Grey	135-0508●	70.57	67.06	62.91	59.76	56.77

Category 5E-UTP Patch Cable
Draka


- High performance cable
- Four twisted pairs of 7/0.16mm (26AWG) plain stranded copper conductors
- Polyethylene insulated
- PVC sheathed overall
- Category 5 UTP interconnections, cabinets etc
- Suitable up to 100Mbps

Nominal outside diameter	5.2mm	Impedance	100Ω	Capacitance	50nF/km
510254					

RoHS Compliant
Non-compliant

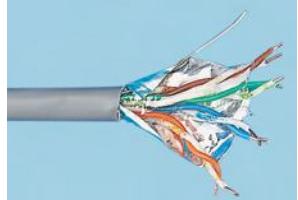

RoHS

08447 11 11 11

Colour Reel Length (m)	Order Code	Price Per Reel				
		1+	5+	10+	15+	20+
Grey 100	160-2385●	40.48	39.26	37.61	36.49	35.38
White 100	160-2386●	40.48	39.26	37.61	36.49	35.38
Red 100	160-2387●	40.48	39.26	37.61	36.49	35.38
Blue 100	160-2388●	40.48	39.26	37.61	36.49	35.38
Yellow 100	160-2389●	40.48	39.26	37.61	36.49	35.38
Green 100	160-2390●	40.48	39.26	37.61	36.49	35.38
Black 100	160-2392●	40.48	39.26	37.61	36.49	35.38
Violet 100	160-2393●	40.48	39.26	37.61	36.49	35.38
Grey 304.8	160-2384●	112.49	109.09	104.52	101.39	98.94

CAT5Plus FTP

MillenniuM Series

Brand-Rex


- Four twisted pairs of solid 24 AWG plain copper conductors
- Foil screen
- Grey flame retardant PVC sheath
- Low Smoke, Zero Halogen (LSOH) version meets IEC332-1, IEC1034 and IEC754-1
- Exceeds Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A

Cut Lengths Available

Nominal outside diameter 5.9mm
Attenuation to Cross Talk Ratio 65dB @ 1MHz
per 100m 54dB @ 10MHz

Mutual capacitance 55.8nF/km
Conductor resistance 93.8Ω/km
Impedance 100±15Ω

208245

305m Boxed Reel Mfrs. List No.	Order Code	Price Per Boxed Reel/Metre				
		1+	5+	10+	15+	20+
LSOH FTP	GPF-HF1 118-2877●	156.35	145.24	135.83	121.94	111.38
Continuous Length in 1m Multiples	GPF-HF1 149-1587●	1.31				

GigaPlus S-FTP

MillenniuM Series

Brand-Rex

Cut Lengths Available

- Four twisted pairs of solid 24AWG plain copper conductors
- Foil and Braid screen
- Grey flame retardant PVC sheath
- Exceeds Category 5 electrical parameters defined in ISO11801, EN50173 and TIA/EIA568A
- Extended frequency range and attenuation, ideal for Fast Ethernet, Gigabit Ethernet 1000BASE-T and 155/622 applications.

Nominal outside diameter 6.1mm
Attenuation to CrossTalk Ratio 71dB @ 1MHz
per 100m 53dB @ 10MHz
Conductor resistance 45dB @ 20MHz
Impedance 93.8Ω/km
100±15Ω

Mfrs. List No. GPS

208305

500m Reel	Order Code	1+	5+	10+	15+	20+
Colour Grey	126-8071●	404.59	390.97	377.83	363.75	346.91
Continuous Length in 1m Multiples	Grey 123-0936●	1.65	--	--	--	--

Etherline® FD P CAT. 5 4x2x26AWG
LAPP CABLE


Cut Lengths Available

ETHERLINE® FD P CAT. 5 4 x 2 x AWG 26/19 is a CATEGORY 5 high speed data transmission cable suitable for application in industrial environments. This data cable meets the requirements of Standards EIA/TIA-568 TSB-36 and ISO/IEC 11801 "Generic Cabling for Customer Premises" for CLASS D Links. The cable is intended for highly flexible application in power chains or permanently moving machines or linear robots in dry and damp interiors and in harsh industrial environments. The PUR sheath is very resistant against mineral oils and abrasion.

- Bare copper wire conductors 0.14mm² (19 x 0.10), (26AWG)
- Four twisted pairs
- Braiding of tinned copper wire, coverage approx 85%
- Operating temperature -40°C to 70°C max
- Polyurethane insulation
- Flame retardant to IEC 60 332-1

Conductor Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. nF/km)	Impedance at 1 to 100 MHz
0.14mm ²	284	48	100Ω ±15Ω

449266

100m Reels Mfrs. List No.	Order Code	Price Per Reel/Metre				
		1+	5+	10+	15+	20+
2170489	128-5779●	282.24				
Continuous Length in 1m Multiples	2170489 149-1539●	6.90				

Farnell

Fax: 08447 11 11 12

Category 5, 6 & 7 Cable - continued

CAT 5e - FTP



New



- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Foil screen
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network(ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

CSA	Conductor	Outer Diameter	
0.196mm ²	1 / 0.5mm	6mm	523726

Order Code
164-3730●Reel Size
304.8m1+
97.41

Price Per Reel

5+
94.5010+
91.66

Category 5E-FTP



- Four twisted pairs of plain solid copper conductors
- Polyurethane insulated and shielded in aluminised polyester foil with integral 0.4mm tin copper drainwire
- Sheathed overall in Grey PVC

- Designed for use in LAN applications at transmission speeds up to 100Mbps
- EC Verified** and meets EIA/TIA568 TSB36 and ISO/IEC DIS11801 requirements
- Supplied in 305m (1000ft.) dispenser box for easier handling/storage.
- Available in PVC or LSOH (Low Smoke Halogen Zero Halogen)

Nominal outside diameter	4.75mm	Mutual capacitance	50pF/m	
				467236
305m Boxed Reel				
Order Code	1+	5+	10+	15+
PVC	135-0505●	106.49	101.16	94.91
LSOH	135-0506●	121.85	115.76	108.61
Continuous Length in 1m Multiples				
PVC	149-1598●	0.82		
LSOH	149-1599●	0.88		

1633E Category 5E FTP



- Four individually bonded twisted pairs of solid 24 AWG copper conductors
- Polyethylene insulated jacket, flame retardant to IEC/332-1 flame test 1

Cut Lengths Available

- To EIA/TIA 568 and ISO/IEC 11801 requirements EC verified
- Zero Halogen available (NH)
- Jacket sequentially marked at 1m intervals
- Applications suitable up to 100MHz

Nominal outside diameter	6.2mm	Type. attenuation (dB/100m)	9.2dB @ 20MHz
Nominal impedance	100Ω		11.8dB @ 31.2MHz
Conductor resistance	93.5Ω/km		17.1dB @ 62MHz
Nominal Capacitance @ 1kHz	50pF/m		22dB @ 100MHz

208230

Belden No.	Reel Size	Order Code	Price Per Reel/Metre
1633E	304.8m	118-2127●	1+
1633E(NH)	304.8m	121-8047●	5+
1633E	100m	121-8046●	10+
Continuous Length in 1m Multiples		121-8656●	15+
1633E			20+
			0.86

208230

Unitronic® LAN 200Mhz CAT. 5e

Unitronic® LAN UTP/S 200Mhz CAT. 5e cable is designed for "Structured Cabling Systems" to meet the requirements acc. to EIA/TIA-568 and TSB36 as well as ISO/IEC 11801 resp. EN 50173 (class d). Used mainly where the terminal density is very high, e.g. cabling of offices, administration and R & D buildings in the tertiary area (horizontal). Please note: According to Standard ISO/IEC 11801 resp. EN 50173 the cable length in the Tertiary Area (Horizontal Area, Floor) should not exceed 100m (90m in the cable duct and 10m in the Working Area).

Order Code	Reel length	1+	5+	10+	15+	20+	Price Per Reel/Metre
128-5781●	100m	56.25	52.65	50.51	47.52	43.56	
Continuous Length in 1m Multiples		1.21					

449276

Order Code	Reel length	1+	5+	10+	15+	20+	Price Per Reel/Metre
128-5781●	100m	56.25	52.65	50.51	47.52	43.56	
Continuous Length in 1m Multiples		1.21					

449276

Unitronic® Etherline® CAT 5e Highly Flexible

Power Chain Cable

Etherline® FD P CAT. 5 2x2x26AWG



UNITRONIC® EtherLine® FD P CAT. 5 2 x 2 x AWG 26/19 is a halogen free CATEGORY 5 high speed data transmission cable suitable for application in industrial environments. This data cable meets the requirements of Standards EIA/TIA-568 TSB-36 and ISO/IEC 11801 "Generic Cabling for Customer Premises" for CLASS D Links. The cable is intended for highly flexible application in power chains or permanently moving machines, linear robots in dry and damp interiors and in harsh industrial environments. The PUR sheath is very resistant against mineral oils and abrasion.

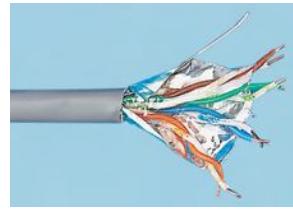
- Bare copper wire conductors 0.14mm² (19 x 0.10), (26AWG)
- Two twisted pairs
- Braiding of tinned copper wire, coverage approx 85%
- Operating temperature -40°C to 70°C max
- Polyurethane, halogen free, flame retardent insulation
- Flame retardant to VDE 0482, part 265-2-1/ IEC 60 332-1
- Supplied on 100m reels

Conductor Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. nF/km)	Impedance at 1 to 100 MHz
0.14mm ²	284	48	100Ω ±15Ω

449257

Mfrs. List No.	Order Code	1+	5+
2170289	128-5780●	415.22	377.43

Cat 5E - FTP



- Four twisted pairs of 24 AWG plain copper conductors
- Foil screened
- Grey PVC sheath
- Meets the Category 5 electrical parameters defined in ISO11801 and TIA/EIA568

Nominal outside diameter	6mm	Dielectric strength @ 50Hz (kV/1min)	1
Conductor resistance @ 20°C	98.6Ω/km	78%	
Impedance	100Ω	98.6Ω/km	

232144

Reel	Order Code	1+	5+	10+	15+	20+	Price Per Reel
304.8M	378-7977●	96.42	95.28	90.10	83.33	81.16	

381450

DataTwist® Cat 5E FTP Patch Cable (1868E)



- 4 Pair FTP(Foil shielded twisted pairs)
- Polyolefin insulation, PVC jacket
- Aluminium/Polyester foil shield
- ISO/IEC 11801, EN 50173 standards
- 26 AWG stranded bare copper conductors

500m Reels	Outer Dia.	1+	3+
Order Code	5mm	225.01	219.24
121-8058●	5mm		

381450

Category 5E-FTP Patch Cable



- High performance patch cable
- Four twisted pairs of 7/0.16mm (26AWG) plain stranded copper conductors
- Polyethylene insulated, shielded in aluminised polyester tape
- Sheathed overall in flexible PVC
- Designed for use in conjunction with Category 5 FTP cables for interconnection applications in wiring cabinets, terminal outlets etc
- Suitable for data transmission speeds up to 100Mbps
- Supplied on 100m reels

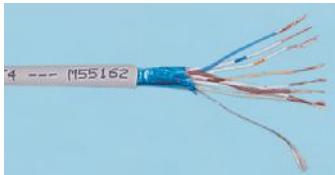
Nominal outside diameter	5.4mm	Capacitance	50pF/m
Impedance	100Ω		

467239

100m Reel Colour	Order Code	1+	5+	10+	15+	20+
Grey	135-0507●	74.00	70.30	65.95	62.67	59.53



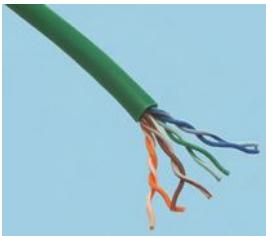
Category 5E-FTP Patch Cable 4 Pair Foil Screened Twisted Pair



CAT6 UTP 7883A Paired



- High performance patch cable
- Four twisted pairs 7/34 AWG (26 AWG) plain copper conductors
- Aluminium polyester foil screen
- Integral drain wire
- Sheathed overall, Grey PVC



- Applications used in conjunction with Cat 5-FTP cable for interconnection in wiring cabinets, terminal outlets etc. up to 100MHz

● Meets EIA/TIA568, TSB40 and DEC approved

Nominal outside diameter	5.3mm	Attenuation per 305m	13dB @ 4MHz
Conductor resistance	28.6Ω/305m		20dB @ 10MHz
Impedance	100Ω		25dB @ 16MHz
Mutual capacitance	46pF/305m		28dB @ 20MHz
			32dB @ 25MHz
			36dB @ 31.25MHz
			52dB @ 62.5MHz
			67dB @ 100MHz

Mfrs. List No. M55162

208063

100m Reel		Price Per Reel				
Colour	Order Code	1+	5+	10+	15+	20+
Grey	473-261	65.03	62.56	60.49	55.67	54.22

Unitronic® LAN STP/S 500Mhz CAT 6E



UTP/S flexible



LAN CAT.6 cable is designed for high speed networks and meets the requirements acc. to EIA/TIA-568 and TSB36 as well as ISO/IEC 11801 resp. EN 50173 (class d). Used mainly where the terminal density is very high, e.g. cabling of offices, administration and R & D buildings in the tertiary area (horizontal).

Please note: According to Standard ISO/IEC 11801 resp. EN 50173 the cable length in the Tertiary Area (Horizontal Area, Floor) should not exceed 100m (90m in the cable duct and 10m in the Working Area).

Nominal outside diameter	7.1mm	These STP/S cables are specified up to 500 MHz.
Conductor resistance	154Ω/km	Impedance of cables = 100 Ohm +/-15%
Impedance	100 ±15Ω	EIA = Electronic Industries Association
Mutual capacitance	47nF/km	TIA = Telecommunication Industries Association
Attenuation per 100m	3.5 @ 4.0MHz 5.5 @ 10.0MHz 7.9 @ 20.0MHz 10.0 @ 31.25MHz 14.4 @ 62.5MHz 18.3 @ 100MHz 26.1 @ 200MHz	TSB = Technical Systems Bulletin

491292

100m Reel		Price Per Reel/Metre				
Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2170143	150-3949●	103.22	97.28	92.48	87.85	83.42
Continuous Length in 1m Multiples	150-4116●	2.29	--	--	--	--

CAT 6 - FTP



- Four twisted pairs of 24 AWG bare copper wire
- Grey PVC sheath
- Standards: ISO/IEC11801, ANSI/TIA/EIA-568A

Application: Work-station outlet to the FD/IDF and other horizontal cabling, integrated service digital network(ISDN), ATM155Mbps, 100Mbps, Fast Ether-net.

Mfrs. List No.	Conductor	Outer Diameter
HTC1013-1	1 / 0.51mm	6mm
HTC1014-1	7 / 0.18mm	6mm

523727

Mfrs. List No.	Reel Size	Order Code	1+	5+	10+	Price Per Reel
HTC1013-1	304.8m	164-3731●	109.89	106.59	103.40	
HTC1014-1	304.8m	164-3732●	113.19	109.80	106.50	

Coming soon



Register your interest for items that are 'Coming Soon' at www.farnell.co.uk and we'll email you to let you know that they're in stock.

CAT6 UTP 7883A Paired

- UL1685
- Patch cable
- 24 AWG solid BC conductors
- Twisted pairs
- Non-plenum
- Polyolefin insulation
- Central slit-film filler
- RG-45 compatible
- PVC jacket

Nominal outside diameter	5.21mm	Attenuation per 100m	7.1dB @ 10MHz
Operating temperature	-20°C to +75°C		23.8dB @ 100MHz
Max operating voltage	300V rms		34.8dB @ 200MHz
Velocity of propagation	70%		478502

Reel Size	Order Code	1+	5+	10+
304.8m	142-3239●	405.65	393.12	381.28

Unitronic® LAN STP/S-H PiMF 600MHz CAT.7



UNITRONIC® LAN STP/S-H PiMF 600 MHz CAT. 7 is a halogen free twisted pair (TP) CATEGORY 7 high speed data transmission cable. Each pair is individually screened (STP), conforming to requirement for CLASS F Links (Draft) and exceeds the requirements acc. to EN 50173 as well as ISO/IEC IS 11801 "Generic Cabling for Customer Premises" for CLASS D Links.

The cable is designed for transfer rates up to 622 MBit/s and is specified up to 600 MHz.

- Solid bare copper conductors, 0.55mm, (23AWG)
- Operating temperature -20°C to 70°C max
- PVC halogen free insulation
- Braiding of tinned copper wire

Size (CSA)	Outer diameter	Loop resistance Max.Ω/km	Mutual capacitance (Nom. pF/m)	Impedance at f = ≥1MHz
0.24mm²	7.9mm	160	42	110Ω

449278

100m Reels	Price Per Reel/Metre					
Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2170614	128-5784●	111.20	104.09	99.84	93.92	86.12
Continuous Length in 1m Multiples	149-1540●	2.39	--	--	--	--

Unitronic® LAN 1.2GHz Halogen Free



UNITRONIC® LAN STP/S-H 1.2 GHz is a halogen free twisted pair (TP) CATEGORY 7 high speed data transmission cable, each pair individually screened (STP). The cable exceeds the requirements acc. to prEN 50288-4-1, August 2000 (draft) and exceeds the requirements acc. to EN 50173 as well as ISO/IEC IS 11801.

The cable is designed for Gigabit Ethernet 1000 BaseT, ATM 155/622 Mbit/s and other standards, it is specified upto 1.2 GHz.

- Solid bare copper wire conductor 22AWG
- Flame retardant low smoke zero halogen (LSZH) outer sheath
- 100Ω impedance
- Operating temperature -20°C to 75°C max
- Supplied on 100m reels

Nominal outside diameter	8.7mm	Impedance	1-10MHz @ 100Ω ±15Ω
Core diameter	1.6mm		1-10MHz @ 100Ω ±15Ω
Nominal Velocity of propagation	78%		250-1000MHz @ 100Ω ±25Ω
Nominal Capacitance	45nF/km		

448817

100m Reels	Price Per Reel/Metre					
Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2170615	128-5785●	167.55	156.87	150.45	141.53	129.76
Continuous Length in 1m Multiples	149-1541●	3.60	--	--	--	--

Data Transmission Cable



Overall Screened Twisted Pair Data Cables

Unitronic® LiCY (TP)



UNITRONIC® LiCY (TP) is a screened, paired, flexible cable for control and data transmissions, designed for weak-current applications. The fine wired conductor and the robust ductile outer sheath gives the cable strength as well as high flexibility. By using twisted pairs signals are well decoupled and with a screen of tinned copper braiding, are protected against external electrical influences.

The cable is intended for static laying and flexible use in dry and damp interiors.

Data Transmission Cable - continued

Overall Screened Twisted Pair Data Cables - continued

Unitronic® LiYCY (TP) - continued

- Fine wire stranded copper conductors
- PVC insulation
- Braiding of tinned copper wire, coverage approx 85%
- Flame retardant to VDE 0482, part 265-2-1/IEC 60 332-1
- Operating temperature -30°C to 80°C max

Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. pF/m)	Impedance at		
			50 kHz	100 kHz	≥1 MHz
0.25mm ²	79.9	97	110Ω	90Ω	74Ω
0.5mm ²	38.9	100	98Ω	85Ω	70Ω
0.75mm ²	26	112	89Ω	75Ω	65Ω
1mm ²	19.5	125	83Ω	70Ω	62Ω

448601

Mfrs. List No.	No of pairs	Order Code	Price Per Reel/Metre		
			1+	5+	10+
0.25mm²					
0035800	2	128-5731●	43.14	39.82	37.00
0035801	3	128-5732●	58.65	54.14	50.29
0035802	4	128-5734●	68.39	63.14	58.65
0035803	6	128-5735●	99.16	91.55	85.03
0035804	8	128-5736●	118.97	109.83	102.01
0035805	10	128-5738●	127.47	117.69	109.29
0035806	12	128-5739●	161.08	148.72	138.11
0035808	25	128-5740●	324.97	300.00	278.64
0.5mm²					
0035810	2	128-5741●	65.89	60.83	56.49
0035811	3	128-5742●	94.29	87.05	80.85
0035812	4	128-5743●	109.66	101.24	94.03
0035813	6	128-5744●	142.07	131.16	121.81
0035814	8	128-5745●	152.42	140.71	130.69
0035816	12	128-5746●	259.01	239.11	222.06
0.75mm²					
0035820	2	128-5747●	77.33	71.39	66.30
0035821	3	128-5748●	106.98	98.76	91.72
0035822	4	128-5751●	101.34	93.54	86.88
0035827	5	128-5752●	161.02	148.63	138.06
0035823	6	128-5753●	187.65	173.24	160.89
0035824	8	128-5754●	243.03	224.36	208.37
1mm²					
0035830	2	128-5756●	108.21	99.89	92.78
0035831	3	128-5757●	122.01	112.65	104.62
0035832	4	128-5759●	159.34	147.09	136.62
0035836	5	128-5760●	201.49	186.02	172.76
Continuous Length in 1m Multiples					
0.25mm²					
0035800	2	149-1439●	2.02		
0035801	3	149-1440●	2.75		
0035802	4	149-1442●	3.20		
0035803	6	149-1443●	4.65		
0035804	8	149-1444●	5.58		
0035805	10	149-1445●	5.98		
0035806	12	149-1446●	7.56		
0035808	25	149-1447●	15.26		
0.5mm²					
0035810	2	149-1448●	3.09		
0035811	3	149-1449●	4.43		
0035812	4	149-1450●	5.15		
0035813	6	149-1451●	6.66		
0035814	8	149-1452●	9.12		
0035816	12	149-1454●	12.16		
0.75mm²					
0035820	2	149-1455●	3.62		
0035821	3	149-1456●	5.02		
0035822	4	149-1457●	6.33		
0035827	5	149-1461●	7.56		
0035823	6	149-1458●	8.63		
0035824	8	149-1459●	11.41		
1mm²					
0035830	2	149-1462●	5.08		
0035831	3	149-1463●	5.72		
0035832	4	149-1464●	7.33		
0035836	5	149-1466●	9.46		

Low Capacitance Twisted Pair Data Cables

Unitronic® Li2YCY PiMF



UNITRONIC® Li2YCY PiMF (Pair in Metal Foil) with individual screening of the pairs is particularly suitable for wiring data systems and controls for the transmission of sensitive signals and high bit rates, for enhanced requirements in respect of near-end cross-talk attenuation, and in conditions of high electrical interference on the line circuits. Cables of this type are intended for limited flexible use and for static laying in dry and damp interiors.

- Fine wire stranded copper conductors
- Braiding of tinned copper wire
- Operating temperature -30°C to 80°C max
- PVC insulation
- Flame retardant to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. pF/m)	Impedance at		
			f> 1MHz	100 kHz nom.	1 MHz nom.
0.34mm ²	115	70	85Ω	0.8dB/100m	3.9dB/100m
0.5mm ²	78.4	75	80Ω	0.7dB/100m	2.4dB/100m

448602

Mfrs. List No.	No of pairs	Order Code	Price Per Reel/Metre		
			1+	5+	10+
0.34mm²					
0034045	2	128-5761●	86.33	79.69	74.01
0034046	3	128-5764●	108.99	100.61	93.45
0034047	4	128-5765●	130.98	120.92	112.31
0034048	8	128-5766●	205.77	189.96	176.42
0034049	10	128-5767●	283.59	261.81	243.15
0.5mm²					
0034060	2	128-5768●	101.48	93.68	87.00
0034061	3	128-5769●	101.70	93.90	87.21
0034062	4	128-5770●	156.93	144.86	134.55
0034063	5	128-5771●	191.40	176.71	164.12
0034064	8	128-5772●	316.05	291.76	270.98
Continuous Length in 1m Multiples					
0.34mm²					
0034045	2	149-1422●	4.05		
0034046	3	149-1423●	5.12		
0034047	4	149-1424●	6.15		
0034048	8	149-1425●	10.73		
0034049	10	149-1426●	13.05		
0.5mm²					
0034060	2	149-1427●	4.76		
0034061	3	149-1429●	5.97		
0034062	4	149-1431●	7.22		
0034063	5	149-1432●	8.99		
0034064	8	149-1433●	14.83		



Round Shielded, Jacketed Cable

28 AWG Stranded, Twisted Pair, PVC/PVC



- PVC insulation and tinned stranded copper conductors
- Colour coded wires for easy identification
- Aluminium foil and tinned cooper braid shielding
- Dual shielding provides excellent ESD/EMI protection

Wire gauge	28AWG stranded 7/36AWG tinned copper	Capacitance Colour	Price Per Reel		
			Order Code	Reel	1+ 5+
Impedance					
91Ω					
Mfrs. List No. (3600X / xx) where xx = No. of conductors					

440242

Thin Ethernet™ Multicore

Individually Screened Pairs

Office Transceiver Cable (4 pairs)

Construction (3 Pairs)	28 AWG (7/36 AWG) tinned copper wire
Insulation	High density polyethylene 0.25mm nom. radial thickness
Colour	1st pair Blue and Green, 2nd pair Yellow and Orange
	3rd pair White and Grey
Construction (1 Pair supply only)	24 AWG (7/32 AWG) tinned copper wire
Insulation	Semi-rigid PVC 0.25mm nom. radial thickness
Colour	Red and Black
Electrical Characteristics (3 Pair)	Characteristic impedance
	78Ω
	Velocity of propagation
	66%
	Nominal outside diameter
	6.35mm
	Maximum operating temperature
	70°C
	Equivalent to DEC17/01318 UL Style 2919

224045

Farnell

100m Reel		Price Per Reel/Metre				
Colour	Order Code	1+	+	+	+	+
Grey	120-2747●	374.54	--	--	--	--
Continuous Length in 1m Multiples						
Grey	138-7707●	11.59	--	--	--	--

9903 - Thin Ethernet™ Multicore

- Thin Ethernet™ transceiver cable to **IEEE 802.3**
 - 3 twisted pairs of 28AWG (7/36AWG) tinned stranded copper conductors, plus twisted pair of 24AWG (7/32AWG) tinned copper
 - Dual shielded in Duofoil® tinned overall copper braid
 - Light grey PVC sheathed overall
- Nominal outside diameter 6.35mm Capacitance 64.6pF/m core to core
Nominal impedance (3 pairs) 78Ω 114.2pF/m core to core + shield
Velocity of propagation 66%
Colour coding (3 pairs) Grey & White, Yellow & Orange, Green & Blue
(1 pair supply only) Red & Black

Belden No.	Reel Size	Order Code	Price Per Reel/Metre
9903	152.4m	436-859●	465.88
Continuous Length in 1m Multiples			
9903		385-4619●	3.39

Multipair Foil Shielded Data Cables

Alpha-Byte™

BELDEN
SOUNDING ALL THE RIGHT SIGNALS**Cut Lengths Available**

Alpha-Byte™ Low Capacitance Data Cables have improved transmission characteristics and are suitable for extended distance transmission. The unique structure of these cables enable the cable pairs to exhibit a lower dielectric constant - resulting in less loss, lower signal distortion and higher transmission speeds. Suitable for use with EIA RS-232C, RS-422, RS-423 and RS-449 interfaces.

Applications:

- Precision Audio, Pulse or RF signal transmission where low distortion and high data rates are required
- External Interconnection of computer or electronic point-of-sale equipment where high levels of noise interference are anticipated

Specification:

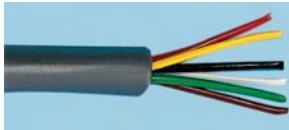
- Stranded Bare Copper conductors (7/32AWG)
- Multipair Conductors insulated in Cellular Polypropylene
- Individually Shielded in Aluminium/Polyester Foil
- PVC Jacket
- Voltage Rating: 300V
- Operating Temperature: -20°C to 60°C
- 30.5m Reels

450386

No. of Pairs	Wire Size	Diameter (mm)	Alpha Wire Part No.	Order Code	Price Per Reel/Metre
6	24AWG	12.2	6076C	130-2762●	82.72

XTRA-GUARD® 1 Multi-Core Unshielded

24 AWG

alpha**Cut Lengths Available**

- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing **UL94V-1**

- Applications include computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

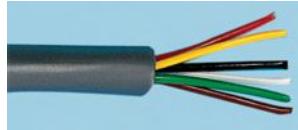
208224

30.5m Reels						
No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+
2	4	5012C-100	118-2557●	40.75	37.90	33.77
3	4.4	5013C-100	118-2558●	42.74	39.24	34.96
4	4.7	5014C-100	118-2561●	48.99	45.56	40.59
6	5.3	5016C-100	118-2562●	64.75	60.22	53.68
8	5.8	5018C-100	130-2251●	78.38	72.88	68.61
10	6.2	5020C-100	130-2252●	82.34	80.06	77.89

Continuous Length in 1m Multiples						
2	3	4	6	8	10	
4	5012C	123-0937●	2.18			
4.4	5013C	123-0938●	2.30			
4.7	5014C	123-0939●	2.64			
5.3	5016C	123-0940●	3.75			
5.8	5018C	130-2302●	7.46			
6.2	5020C	130-2303●	9.81			

XTRA-GUARD® 1 Multi-Core Unshielded

22 AWG

Cut Lengths Available**alpha**

- Multi-core 22 AWG (7/30 AWG) tinned copper conductors
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised, listed passing UL94V-1**

- Applications include computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

450323

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2	4.3	5002C-100	130-2223●	77.21	71.38	64.72	56.79	54.54
3	4.8	5003C-100	130-2224●	94.73	87.56	79.40	69.67	66.90
4	5.2	5004C-100	130-2225●	120.91	111.75	101.33	88.92	85.40
6	5.8	5006C-100	130-2226●	130.22	120.36	109.15	95.78	91.98

XTRA-GUARD® 1 Multi-Core Foil Shield

24 AWG

alpha

- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised, listed passing UL94V-1**

- Applications include, EIA RS232C interface, computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208220

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2	4.1	5092C-100	118-2564●	52.45	48.43	45.04	39.19	38.46
3	4.3	5093C-100	118-2565●	60.56	55.62	49.54	43.13	42.30
4	4.5	5094C-100	118-2566●	63.93	58.51	55.45	48.27	47.35
6	5.1	5096C-100	118-2567●	79.50	73.93	62.72	54.59	53.53
8	5.6	5098C-100	130-2253●	117.71	108.78	103.95	97.31	91.71
10	6.3	5100C-100	130-2254●	136.77	126.42	114.64	100.60	96.61

Continuous Length in 1m Multiples

2	4.1	5092C	123-0941●	1.44
3	4.3	5093C	123-0942●	1.77
4	4.5	5094C	123-0944●	3.63
6	5.1	5096C	123-0945●	4.11
8	5.6	5098C	130-2304●	4.91
10	6.3	5100C	130-2305●	10.59

XTRA-GUARD® 1 Multi-Core Foil Shield

22 AWG

Cut Lengths Available**alpha**

- Multi-core 22 AWG (7/30 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- **CSA certified flame test-4, UL recognised, listed passing UL94V-1**

- Applications include, EIA RS232C interface, computer peripherals, point of sale equipment, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

450324

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+
2	4.1	5192C-100	130-2227●	97.17	89.82	81.44	71.47	68.63
3	4.3	5193C-100	130-2228●	120.91	111.75	101.33	88.92	85.40
4	4.5	5194C-100	130-2229●	128.35	118.64	107.58	94.40	90.66
6	5.1	5196C-100	130-2230●	165.43	152.91	138.65	121.66	116.84
8	5.6	5198C-100	130-2232●	183.47	169.58	153.78	134.94	129.59

Data Transmission Cable - continued**XTRA-GUARD® 1 Multi-Core Foil Shield - continued**

22 AWG - continued

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Cores	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
2	4.1	5192C	130-2276●		2.78				
3	4.3	5193C	130-2277●		7.04				
4	4.5	5194C	130-2278●		3.66				
6	5.1	5196C	130-2281●		9.63				
8	5.6	5198C	130-2283●		10.69				

XTRA-GUARD® 1 Multi-Core SUPRASHIELD

22 AWG



- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1
- Applications include, EIA RS232C interface, FCC Docket computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments



Cut Lengths Available

medical electronics and other high technology environments

● **UL Style 2464**

- Multi-core 24 AWG (7/32AWG) tinned copper conductors
- Aluminium/polyester/aluminium foil with stranded tinned copper drain wire, in 70% overall braid of tinned copper wire

● **Suprashield twice as effective as standard foil shielding**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208221

1

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
3	4.8	5113C-100	118-2569●		104.97	96.35	85.89	74.75	73.29
4	5.4	5114C-100	118-2570●		117.71	108.04	96.29	83.79	82.22
6	5.9	5116C-100	118-2571●		131.96	121.13	107.95	93.93	92.14
8	6.17	5118C-100	130-2256●		153.14	139.54	124.00	108.53	107.04
10	6.91	5120C-100	130-2257●		173.38	157.98	140.38	122.87	121.18

XTRA-GUARD® 1 Multi-Core SUPRASHIELD

22 AWG



- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1
- Applications include, EIA RS232C interface, FCC Docket computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments



Cut Lengths Available

- **UL Style 2464**
- Multi-core 22 AWG (7/30AWG) tinned copper conductors
- Aluminium/polyester/aluminium foil with stranded tinned copper drain wire, in 70% overall braid of tinned copper wire

● **Suprashield twice as effective as standard foil shielding**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

450326

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
2	5	5102C-100	130-2233●		139.54	128.98	116.96	102.64	98.56
3	5.4	5103C-100	130-2234●		163.25	150.90	136.84	120.07	115.30
4	5.6	5104C-100	130-2235●		182.43	168.62	152.92	134.18	128.84
6	6.4	5106C-100	130-2236●		160.90	148.72	134.86	118.34	113.64
8	6.9	5108C-100	130-2237●		238.83	220.76	200.18	175.66	168.68
10	7.6	5110C-100	130-2238●		272.66	252.03	228.54	200.54	192.58

- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1
- Applications include, EIA RS232C interface, computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments

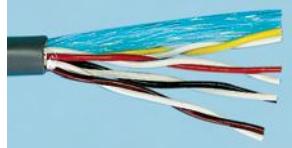
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Prices are in £ sterling & exclusive of VAT

XTRA-GUARD® 1 Twisted Multipair

24 AWG



- Twisted multipair 24 AWG (7/32AWG) tinned copper conductors
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1

- Applications include, computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments

● **UL Style 2464**

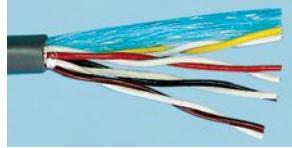
Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208219

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
2	5.1	5262C-100	118-2573●		56.42	51.36	42.37	35.24	33.57
3	5.8	5263C-100	118-2574●		70.20	63.89	52.72	43.81	41.74
4	6.4	5264C-100	118-2575●		77.99	72.45	59.78	49.73	47.36

XTRA-GUARD® 1 Twisted Multipair

22 AWG



- Twisted multipair 22 AWG (7/30AWG) tinned copper conductors
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1

- Applications include, computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments

● **UL Style 2464**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

450327

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
1	4.3	5021C-100	130-2290●		71.68	64.83	58.21	52.53	48.18
2	5.7	5022C-100	130-2291●		85.86	77.66	69.72	62.93	57.70
3	6.5	5023C-100	130-2292●		139.39	126.08	113.20	102.16	93.68

XTRA-GUARD™ 1 Multi-Pair Foil Shield

24 AWG



- Twisted Multipair core 24 AWG (7/32AWG) tinned copper conductors
- Aluminium/polyester foil, tinned stranded copper drain wire

- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing UL94V-1
- Applications include EIA RS232C interface, computer peripherals, point of sale equipment
- Industrial process controls, medical electronics and other high technology environments

● **UL Style 2464**

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

208218

30.5m Reels		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Continuous Length in 1m Multiples									
1	4.1	5491C-100	118-2576●		69.51	56.16	46.33	38.54	36.70
2	5.2	5492C-100	118-2577●		98.78	79.78	65.87	54.75	52.17
3	5.9	5493C-100	118-2578●		113.48	91.67	75.66	62.93	59.90
4	6.5	5494C-100	118-2579●		127.69	103.14	85.11	70.74	67.38

Continuous Length in 1m Multiples		Mfrs.	Order	Price Per Reel/Metre					
No. of Pairs	Nominal Outside Dia.			Code	1+	5+	10+	15+	20+
Over 480,000 products online									
1	4.1	5491C	123-0952●		2.97				
2	5.2	5492C	123-0953●		3.83				
3	5.9	5493C	123-0954●		2.42				
4	6.5	5494C	123-0956●		4.01				

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XTRA-GUARD™ 1 Multi-Pair Foil Shield 22 AWG



- Twisted Multipair core 22 AWG (7/30AWG) tinned copper conductors
- Aluminium/polyester foil, tinned stranded copper drain wire
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping

- CSA certified flame test-4, UL recognised, listed passing **UL94V-1**
- Applications include EIA RS232C interface, computer peripherals, point of sale equipment
- Industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness 0.81mm Operating temperature -20° to +80°C
Voltage rating 300V

450329

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre
				1+ 5+ 10+ 15+ 20+
1	5.1	5481C-100	130-2242●	88.53 80.07 71.88 64.89 59.49
2	6.3	5482C-100	130-2244●	126.16 114.10 102.45 92.46 84.79
3	7.1	5483C-100	130-2245●	158.66 143.51 128.84 116.28 106.64
4	7.8	5484C-100	130-2246●	136.78 123.72 111.08 100.26 91.94

Continuous Length in 1m Multiples

1	5.1	5481C	130-2294●	5.55
2	6.3	5482C	130-2295●	7.79

XTRA-GUARD® 1 Multi-Pair SUPRASHIELD 24 AWG



- Twisted Multi-pair 24 AWG (7/32AWG) tinned copper conductors
- Aluminium/polyester/aluminium foil shield with tinned stranded copper drain wire, in 70% overall braid of tinned copper wire

- **Suprashield** twice as effective as standard foil shielding
- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing **UL94V-1**
- Applications include, EIA RS232C interface, FCC Docket 20780 computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness 0.81mm Operating temperature -20° to +80°C
Voltage rating 300V

208222

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre
				1+ 5+ 10+ 15+ 20+
1	4.6	5271C-100	118-2580●	87.96 71.06 58.63 48.73 46.42
2	5.8	5272C-100	118-2581●	114.86 92.82 76.59 63.66 60.66
3	6.5	5273C-100	118-2582●	150.36 121.50 100.25 83.31 79.36
4	7	5274C-100	118-2583●	173.07 139.81 115.41 95.94 91.36

Continuous Length in 1m Multiples

1	4.6	5471C	123-0957●	3.75
2	5.8	5472C	123-0958●	2.44
3	6.5	5473C	123-0959●	2.34
4	7	5474C	123-0960●	3.70

XTRA-GUARD® 1 Multi-Pair SUPRASHIELD 22 AWG



- Twisted Multi-pair 22 AWG (7/30AWG) tinned copper conductors
- Aluminium/polyester/aluminium foil shield with tinned stranded copper drain wire, in 70% overall braid of tinned copper wire
- **Suprashield** twice as effective as standard foil shielding

- Premium grade PVC jacket for extended cable life
- Nylon rip cord for ease of jacket stripping
- CSA certified flame test-4, UL recognised, listed passing **UL94V-1**
- Applications include, EIA RS232C interface, FCC Docket 20780 computer peripherals, point of sale equipment, industrial process controls, medical electronics and other high technology environments
- **UL Style 2464**

Jacket thickness 0.81mm Operating temperature -20° to +80°C
Voltage rating 300V

450333

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+	Price Per Reel/Metre
1	5.1	5121C-100	130-2247●	128.44	116.17	104.30	94.14	86.32	
2	6.3	5122C-100	130-2248●	130.53	118.06	105.99	95.66	87.73	
3	7.1	5123C-100	130-2249●	170.02	153.78	138.07	124.62	114.27	
4	7.8	5124C-100	130-2250●	249.06	225.27	202.25	182.54	167.39	

Continuous Length in 1m Multiples

1	5.1	5121C	130-2298●	8.10
2	6.3	5122C	130-2299●	5.35

XTRA-GUARD® 2 Multi-Core Unshielded 22 AWG



2 AWG



- Multi-core 22 AWG (7/30 AWG) tinned copper conductors
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing **UL VW-1**

- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- **UL AWM Style 20668**

Jacket thickness 0.25mm Operating temperature -20° to +90°C
Voltage rating 300V

491852

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+	Price Per Reel/Metre
2	4.3	25002	151-5144●	61.32	59.48	57.70	55.96	54.30	
3	4.8	25003	151-5145●	68.99	66.92	64.92	62.97	61.07	
4	5.2	25004	151-5146●	92.57	89.80	87.10	84.49	81.95	

Continuous Length in 1m Multiples

2	4.3	25002	151-5239●	4.33
3	4.8	25003	151-5241●	4.95
4	5.2	25004	151-5242●	8.58

XTRA-GUARD® 2 Multi-Core Unshielded 18 AWG



1 AWG



- Multi-core 18 AWG (16/30 AWG) tinned copper conductors
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing **UL VW-1**

- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- **UL AWM Style 20668**

Jacket thickness 0.43mm Operating temperature -20° to +90°C
Voltage rating 300V

491892

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+	Price Per Reel/Metre
2	5.8	25062	151-5157●	81.71	79.27	76.89	74.58	72.34	
4	6.6	25064	151-5158●	121.29	117.65	114.12	110.70	107.38	
6	7.9	25066	151-5161●	164.70	159.76	154.96	150.32	145.81	

Continuous Length in 1m Multiples

2	5.8	25062	151-5253●	5.15
4	6.6	25064	151-5254●	7.84
6	7.9	25066	151-5255●	10.30

XTRA-GUARD® 2 Multi-Core Foil Shield 24 AWG



2 AWG



- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath

- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing **UL VW-1**

- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- **UL AWM Style 20668**

Jacket thickness 0.25mm Operating temperature -20° to +90°C
Voltage rating 300V

-20° to +90°C

Data Transmission Cable - continued

XTRA-GUARD® 2 Multi-Core Foil Shield - continued

24 AWG - continued

491801

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
2	4.1	25092	151-5129●	94.59	91.76	89.00	86.32	83.74	
3	4.3	25093	151-5130●	102.56	99.47	96.49	93.60	90.79	
4	4.5	25094	151-5131●	110.23	106.92	103.71	100.60	97.58	
6	5.1	25096	151-5132●	114.98	111.53	108.19	104.95	101.79	
8	5.6	25098	151-5133●	132.79	128.80	124.93	121.19	117.56	

Continuous Length in 1m Multiples

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
2	4.1	25092	151-5222●	7.73	
3	4.3	25093	151-5224●	8.76	
4	4.5	25094	151-5225●	9.79	
6	5.1	25096	151-5227●	10.30	
8	5.6	25098	151-5228●	10.82	

XTRA-GUARD® 2 Multi-Core Foil Shield

22 AWG



- Multi-core 22 AWG (7/30 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing UL VW-1
- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- UL AWM Style 20668

Jacket thickness 0.25mm Operating temperature -20° to +90°C

Voltage rating 300V

491871

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
2	4.6	25192	151-5148●	82.78	80.31	77.89	75.56	73.28	
3	4.9	25193	151-5149●	88.92	86.25	83.66	81.16	78.71	
4	5.1	25194	151-5150●	108.85	105.58	102.41	99.35	96.36	

Continuous Length in 1m Multiples

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
2	4.6	25192	151-5243●	5.82	
3	4.9	25193	151-5244●	6.39	
4	5.1	25194	151-5245●	7.45	

XTRA-GUARD® 2 Multi-Core Foil Shield

20 AWG



- Multi-core 20 AWG (7/28 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing UL VW-1
- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- UL AWM Style 20668

Jacket thickness 0.43mm Operating temperature -20° to +90°C

Voltage rating 300V

491877

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
2	5.4	25462	151-5154●	88.92	86.25	83.66	81.16	78.71	
3	5.6	25463	151-5155●	101.19	98.16	95.20	92.35	89.58	
4	6.1	25464	151-5156●	118.05	114.51	111.08	107.73	104.50	

Continuous Length in 1m Multiples

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
2	5.4	25462	151-5249●	6.18	
3	5.6	25463	151-5250●	6.85	
4	6.1	25464	151-5252●	7.26	

XTRA-GUARD® 2 Multi-Core Foil Shield

18 AWG



- Multi-core 18 AWG (16/30 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing UL VW-1
- Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- UL AWM Style 20668

Jacket thickness 0.43mm Operating temperature -20° to +90°C

Voltage rating 300V

491886

Jacket thickness

Voltage rating

0.43mm

300V

Operating temperature

-20° to +90°C

491917

30.5m Reels

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
2	5.9	25382	151-5162●	88.92	86.25	83.66	81.16	78.71	
4	6.6	25384	151-5163●	140.45	136.23	132.14	128.17	124.34	
8	8.3	25388	151-5164●	227.27	220.44	213.82	207.42	201.20	

Continuous Length in 1m Multiples

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
2	5.9	25382	151-5256●	6.87	
4	6.6	25384	151-5257●	8.87	
8	8.3	25388	151-5258●	13.55	

XTRA-GUARD® 2 Multi-Core SUPRASHIELD

24 AWG



- Multi-core 24 AWG (7/32 AWG) tinned copper conductors
- Aluminium/polyester/alu foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath

● Nylon rip cord for ease of jacket stripping

● CSA certified recognised, listed passing UL VW-1

● Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment

● UL AWM Style 20668

Jacket thickness 0.25mm Operating temperature -20° to +90°C

Voltage rating 300V

491825

30.5m Reels

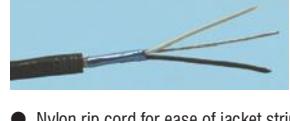
No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
2	4.6	25112	151-5134●	96.58	93.68	90.88	88.15	85.51	
3	4.8	25113	151-5136●	118.05	114.51	111.08	107.73	104.50	
4	5.4	25114	151-5137●	125.12	121.36	117.73	114.19	110.77	

Continuous Length in 1m Multiples

No. of Cores	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
2	4.6	25112	151-5229●	7.21	
3	4.8	25113	151-5230●	8.04	
4	5.4	25114	151-5231●	8.45	

XTRA-GUARD® 2 Multi-Pair Foil Shield

24 AWG



- Twisted multi-pair 24 AWG (7/32 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath

● Nylon rip cord for ease of jacket stripping

● CSA certified recognised, listed passing UL VW-1

● Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment

● UL AWM Style 20668

Jacket thickness 0.25mm Operating temperature -20° to +90°C

Voltage rating 300V

491832

30.5m Reels

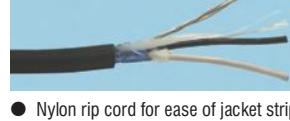
No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1+	5+	10+	15+	20+
1	4.1	25491	151-5138●	94.28	91.44	88.71	86.04	83.46	
2	5.2	25492	151-5139●	101.76	98.71	95.75	92.88	90.08	
3	5.9	25493	151-5140●	122.65	118.97	115.40	111.93	108.58	

Continuous Length in 1m Multiples

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	Price Per Reel/Metre	1m Multiple
1	4.1	25491	151-5232●	8.04	
2	5.2	25492	151-5233●	8.24	
3	5.9	25493	151-5234●	8.45	

XTRA-GUARD® 2 Multi-Pair Foil Shield

22 AWG



- Twisted multi-pair 22 AWG (7/30 AWG) tinned copper conductors
- Aluminium/polyester foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath

● Nylon rip cord for ease of jacket stripping

● CSA certified recognised, listed passing UL VW-1

● Applications include, CNC machine centers, Automotive assembly plant operations, Military ground support systems, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment

● UL AWM Style 20668

Jacket thickness 0.25mm Operating temperature -20° to +90°C

Voltage rating 300V

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+	Price Per Reel/Metre
1	4.6	25481	151-5151●	82.78	80.31	77.89	75.56	73.28	
2	5.8	25482	151-5152●	102.72	99.63	96.65	93.75	90.93	
3	6.5	25483	151-5153●	131.85	127.89	124.06	120.33	116.72	
Continuous Length in 1m Multiples									
1	4.6	25481	151-5246●	6.70					
2	5.8	25482	151-5247●	8.24					
3	6.5	25483	151-5248●	9.27					

XTRA-GUARD® 2 Multi-Pair SUPRASHIELD

24 AWG



- Twisted multi-pair 24 AWG (7/32 AWG) tinned copper conductors

Cut Lengths Available

- Aluminium/polyester/aluminum foil with stranded tinned copper drain wire
- Special formulated polyurethane outer sheath
- Nylon rip cord for ease of jacket stripping
- CSA certified recognised, listed passing **UL VW-1**
- Applications include, CNC machine centers, Automotive assembly plant operations, Packaging machinery, Petrochemical plant operations and Geophysical exploration equipment
- UL AWM Style 20668

Jacket thickness 0.25mm
Voltage rating 300V
Operating temperature -20°C to +90°C

491837

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mfrs. List No.	Order Code	1+	5+	10+	15+	20+	Price Per Reel/Metre
1	4.6	25271	151-5141●	100.88	97.85	94.91	92.07	89.31	
2	5.8	25272	151-5142●	153.30	148.70	144.24	139.91	135.72	
4	7	25274	151-5143●	183.97	178.45	173.10	167.91	162.87	
Continuous Length in 1m Multiples									
1	4.6	25271	151-5235●	8.24					
2	5.8	25272	151-5236●	8.76					
4	7	25274	151-5237●	9.27					

Multi-Core Overall Shielded 24AWG

- For sound, broadcast, audio, instrumentation and RS232 applications
- Beldfoil™ shielded
- CSA approved as SRPVC
- Passes VW-1 vertical wire flame test

- 24AWG tinned copper wire conductors, stranded 7/32AWG
- Available in zero halogen (NH)
- UL Style 2464

Type No.	Cores	Nominal Outside Diameter (mm)	Type No.	Cores	Nominal Outside Diameter (mm)
9533	3	4.11	9538	8	5.69
9534	4	4.67	9539	9	6.2
9535	5	4.8	9540	10	6.19
9536	6	5.31	9541	15	7.21
9537	7	5.31			

208181

Belden No.	Reel Length	Order Code	1+	5+	Price Per Reel/Metre
9533	152.4m	118-2152●	67.38	--	
	304.8m	118-2153●	122.00	--	
9534	152.4m	118-2154●	82.17	--	
9535	152.4m	118-2155●	91.49	--	
9536	152.4m	118-2156●	93.03	--	
	304.8m	118-2157●	183.86	--	
9537	152.4m	118-2158●	110.31	--	
9538	152.4m	118-2161●	118.79	--	
9539	152.4m	118-2162●	135.96	--	
9540	152.4m	118-2164●	153.32	--	
9541	152.4m	118-2165●	296.36	284.12	
Continuous Length in 1m Multiples					
9533			121-8691●	1.27	
9534			121-8692●	1.48	
9535			121-8693●	1.71	
9536			121-8695●	1.99	
9537			121-8696●	1.11	
9538			385-5170●	1.14	
9539			121-8697●	2.75	
9540			121-8698●	2.94	
9541			121-8699●	4.50	

Technical information at your fingertips

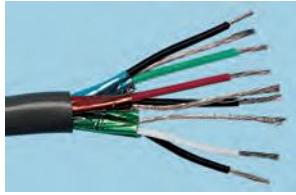
Over 352,000 technical datasheets available online.



Visit www.farnell.co.uk and look for the Tech Info heading in your search results.

Multi-Pair Individually Beldfoil Shielded

22AWG (7/30) Conductors



- For use in audio pulse and radio frequency applications
- UL 2919 recognised
- Beldfoil® individually shielded twisted pair
- Overall sheathed in PVC
- Passes VW-1 vertical wire flame test

Cut Lengths Available

Type No.	Pairs	Radial Thickness (mm)	Sheath	Diameter
8774	9	0.25	1.22	10.6
8775	11	0.25	1.22	11.8
8777	3	0.25	1.22	7.65
8778	6	0.25	1.22	9.2
Capacitance between conductors: 98pF/m				
Shield resistance: 34.8Ω/km				
Drain wire: 22AWG (7/30AWG)				
Conductor resistance: 49.2Ω/km				

208182

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
8774	30.5m	118-2149●	261.25
8775	30.5m	118-2150●	295.99
8777	152.4m	118-2147●	213.22
8778	304.8m	761-345●	431.06
8778	152.4m	761-357●	358.24
Continuous Length in 1m Multiples			
8774		121-8686●	15.39
8775		121-8687●	17.15
8777		385-4991●	1.67
8778		121-8685●	6.52

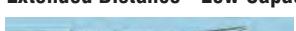
9729 - Datalene® Insulated Cable

- Datalene® insulated for high speed, low distortion data handling

- Zero halogen (NH) available
- Crush resistant
- Light weight
- Meets requirements of RS-422
- UL 2493 recognised
- Twisted pair individually shielded with Beldfoil® aluminium-polyester shield

Conductor resistance	78.7Ω/km	Drain wire	Maximum conductor working voltage	24AWG
Velocity of propagation	100Ω	Velocity of propagation	76%	300V

Type No.	No. of Pairs	Nominal Outside Diameter	Price Per Reel
9729	2	6.8mm	208180
Belden No.	Reel Size	Order Code	1+ 5+
9729	30.5m	118-2151●	90.59 81.61
9729	304.8m	161-0329●	710.08 674.58
9729(NH)	304.8m	491-4612●	723.28 --

Extended Distance - Low Capacitance 100L

- 24 AWG (7/32AWG) Tinned stranded copper conductors
- Twisted pairs, Datalene® insulated, low capacitance
- Z-Fold overall Beldfoil® aluminium/polyester shield, 100% coverage
- Overall tinned copper braid shield, 65% coverage
- Integral tinned copper drain wire
- PVC jacket
- Application EIA RS-232 and EIA RS-422
- UL Style 2919

Nominal DC Resistance/km	78.7Ω	Nominal capacitance core/core	41pF/m
Velocity of propagation	78%	Nominal capacitance core/screen	72.2pF
Characteristic impedance	100Ω		

208216

Belden No.	No. of Pairs	Nominal Outside Dia.	Order Code	1+	5+	10+	25+
8102	2	6.9	961-784●	240.72	--	--	--
8103	3	7.2	118-2099●	331.98	316.10	309.65	283.42
8104	4	7.8	961-802●	384.70	--	--	--
8105	5	8	118-2100●	521.09	--	--	--
8106	6	8.7	961-826●	396.70	--	--	--
8112	13	11.8	437-153●	1,127.98	--	--	--

RoHS Compliant **Non-compliant**

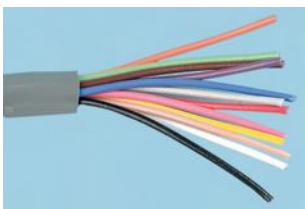


08447 11 11 11

Fax: 08447 11 11 12

Data Transmission Cable - continued**Extended Distance - Low Capacitance 100Ω - continued**

152.5m Reel		No. of Pairs	Nominal Outside Dia.	Order Code	1+	5+	10+	25+
8102	2	6.9	385-5030●		1.45			
8103	3	7.2	121-8688●		4.83			
8104	4	7.8	385-5053●		2.80			
8105	5	8	121-8689●		7.35			
8106	6	8.7	385-5077●		4.83			
8112	13	11.8	385-5089●		7.99			

Communication and Control Cable**Unshielded**

- UL2576 recognised, CSA PCC FT4
- 22AWG (7/0.25mm) tinned copper conductors
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C

Mfrs. List No.	No. of Conductors	Outside Diameter	Jacket Thickness	Order Code
1172C	2	4.1	0.81	123-5589
1173C	3	4.3	0.81	123-5591
1174C	4	4.8	0.81	123-5592
1175C	5	5.1	0.81	123-5593
1176C	6	5.3	0.81	123-5594
1177C	7	5.3	0.81	123-5595
1178C	8	5.6	0.81	123-5596
1179C	9	6.3	0.81	161-0268
1180C	10	6.6	0.81	123-5597
1181C	12	7.1	0.81	123-5598
1181/15C	15	7.6	0.81	123-5599
1181/20C	20	8.1	0.81	123-5600
1181/25C	25	9.1	0.81	123-5601
1181/30C	30	9.6	0.81	123-5602
1181/40C	40	11.2	0.81	123-5603
1181/50C	50	12.7	0.89	123-5604
1181/60C	60	13.5	0.89	123-5605

232729

Mfrs. List No.	Order Code	1+	5+	10+
1172C	123-5589●	13.26	12.64	11.20
1173C	123-5591●	21.05	20.20	18.42
1174C	123-5592●	19.55	18.79	17.15
1175C	123-5593●	19.87	19.13	17.70
1176C	123-5594●	21.47	20.72	18.58
1177C	123-5595●	23.76	23.14	20.56
1178C	123-5596●	36.68	35.73	28.40
1179C	161-0266●	51.79	49.20	46.74
1180C	123-5597●	26.62	25.67	23.00
1181C	123-5598●	29.77	29.17	25.75
1181/15C	123-5599●	48.94	47.19	39.41
1181/20C	123-5600●	90.75	87.97	78.43
1181/25C	123-5601●	97.98	94.24	84.71
1181/30C	123-5602●	215.25	199.82	188.42
1181/40C	123-5603●	200.96	195.43	185.89
1181/50C	123-5604●	222.22	215.96	205.29
1181/60C	123-5605●	283.23	275.26	254.88

232729

Communication and Control Cable**Braid and Foil Shield**

Mfrs. List No.	No. of Pairs	Outside Diameter	Jacket Thickness	Drain Wire (AWG)	Order Code
6412	1	5.8	0.89	24	123-5607

232730

Mfrs. List No.	Reel Length (m)	Order Code	1+	5+	10+
6412	30.5	123-5607●	38.51	37.14	34.02

232730

Communication and Control Cable**Overall Foil Screen**

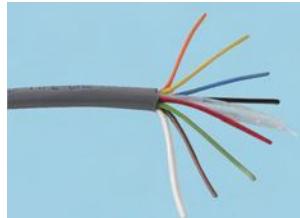
- UL2464 type CM recognised
- 24AWG (7/0.2mm) tinned copper conductors
- Voltage rating 300V
- Operating Temperature -20°C to +75°C
- Stranded tinned copper drain wire
- Aluminium polyester tape screen with foil facing inwards

Mfrs. List No.	No. of Pairs	Outside Diameter	Jacket Thickness	Drain Wire (AWG)	Order Code
5471C	1	4.1	0.81	24	123-5608
5472C	2	5.3	0.81	24	123-5609
5473C	3	5.8	0.81	24	123-5610
5474C	4	6.1	0.81	24	123-5611
5476C	6	7.6	0.89	24	123-5612
5477C	7	7.6	0.89	24	123-5613
5479C	9	8.6	0.94	24	118-2466
5480C	10	9.6	1.02	24	118-2467
5480/19C	19	11.4	1.02	24	118-2469
5480/25C	25	13.4	1.14	24	119-9000

232731

Mfrs. List No.	Order Code	1+	5+	10+
5471C	123-5608●	15.72	14.79	13.56
5472C	123-5609●	19.18	18.04	15.96
5473C	123-5610●	25.18	23.68	21.19
5474C	123-5611●	31.34	29.49	26.49
5476C	123-5612●	44.41	41.78	37.06
5477C	123-5613●	45.88	44.95	39.62
5479C	118-2466●	62.23	58.54	51.16
5480C	118-2467●	63.89	60.11	53.97
5480/19C	118-2469●	142.00	136.90	120.33
5480/25C	119-9000●	156.85	150.98	132.92

232732

Communication and Control Cable**Unshielded**

- UL2509 recognised, CSA CMG FT4
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C
- Supplied in 30.5m reels

Cables intended for general purpose communications use within buildings in accordance with NEC Section 800-53 (c).

Mfrs. List No.	No. of Cores	Outside Dia. (mm)	CSA (mm²)	AWG
1895C	2	4.6	0.51	20
1896C	3	4.8	0.51	20
1896/4C	4	5.3	0.51	20
1896/5C	5	5.9	0.51	20
1896/6C	6	6.5	0.51	20
1896/7C	7	6.5	0.51	20
1896/8C	8	6.9	0.51	20
1897C	2	5	0.81	18
1898C	3	5.3	0.81	18
1898/4C	4	6.1	0.81	18
1898/5C	5	6.6	0.81	18
1898/6C	6	7.4	0.81	18
1898/7C	7	7.4	0.81	18
1899C	2	5.7	1.31	16
1899/3C	3	6.3	1.31	16
1899/4C	4	6.9	1.31	16

515766

Mfrs. List No.	Order Code	1+	5+	10+
1895C	161-9538●	12.96	12.57	12.20
1896C	161-9539●	14.75	14.30	13.88
1896/4C	161-9540●	20.10	19.50	18.90
1896/5C	161-9541●	28.15	27.30	26.48
1896/6C	161-9542●	42.16	41.31	40.49
1896/7C	161-9543●	41.14	40.31	39.51
1896/8C	161-9544●	47.84	46.41	45.00
1897C	161-9545●	15.13	14.67	14.23
1898C	161-9546●	20.52	19.90	19.30
1898/4C	161-9547●	30.97	30.36	29.74
1898/5C	161-9549●	33.39	32.71	32.06
1898/6C	161-9551●	40.03	38.83	37.66
1898/7C	161-9552●	41.14	40.31	39.51
1899C	161-9553●	20.54	19.92	19.32
1899/3C	161-9554●	56.29	54.60	52.97
1899/4C	161-9555●	90.78	88.06	85.41

515766

Over 480,000 products online



Communication and Control Cable Shielded



New

- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PE insulation
- Voltage rating 300V
- Operating temperature -20°C to +75°C
- Supplied in 30.5m reels

Cables intended for general purpose communication use within buildings in accordance with the NEC Sections 800-53 (c) 725-53(e).

Mfrs. List No.	No. of Cores	Outside Dia. (mm)	CSA (mm²)	AWG
2400C	2	4	0.229	24
2401C	2	4.3	0.357	22
2403C	3	4.7	0.357	22
2404C	4	5.1	0.357	22
2411C	2	4.7	0.562	20
2413C	3	5.2	0.562	20
2414C	4	5.7	0.562	20
2422C	2	5.3	0.816	18
2423C	3	5.8	0.816	18
2424C	4	6.4	0.816	18
2432C	2	6.2	1.31	16
2433C	3	6.6	1.31	16

51574

Mfrs. List No.	Order Code	Price Per Reel		
		1+	5+	10+
2400C	161-9556●	12.42	11.79	11.21
2401C	161-9557●	12.19	11.56	10.99
2403C	161-9558●	14.45	13.72	13.04
2404C	161-9559●	17.87	16.97	16.13
2411C	161-9560●	15.41	14.64	13.91
2413C	161-9562●	16.71	15.87	15.09
2414C	161-9563●	20.49	19.47	18.49
2422C	161-9564●	17.30	16.43	15.61
2423C	161-9565●	19.88	18.88	17.94
2424C	161-9566●	26.77	25.43	24.16
2432C	161-9567●	43.20	41.04	38.98
2433C	161-9568●	49.37	46.90	44.55

51574

Communication and Control Cable Shielded



New

- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 300V

Operating temperature -20°C to +75°C
Supplied in 30.5m reels

General purpose communications use with buildings in accordance with the NEC Section 800-53 (c).

51577

Mfrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code	Price Per Reel		
				1+	5+	10+
24AWG (0.23mm²)						
1212C	2	3.9	161-9569●	31.88	30.28	28.76
1213C	3	4.2	161-9570●	42.06	39.95	37.95
1214C	4	4.7	161-9571●	44.61	42.38	40.26
1215C	5	4.7	161-9572●	49.27	46.81	44.47
1216C	6	5.1	161-9574●	50.72	48.18	45.77
1217C	7	5.1	161-9575●	52.17	49.58	47.09
1218C	8	5.4	161-9576●	53.91	51.21	48.65
22AWG (0.35mm²)						
1292C	2	4.2	161-9577●	32.89	31.24	29.68
1293C	3	4.6	161-9578●	44.61	42.38	40.26
1294C	4	4.9	161-9579●	50.72	48.18	45.77
1295C	5	5.1	161-9580●	52.30	49.68	47.20
1296C	6	5.4	161-9581●	53.91	51.21	48.65
1297C	7	5.4	161-9582●	55.93	53.14	50.48
1298C	8	5.7	161-9583●	62.15	59.03	56.09
1299C	9	6.3	161-9584●	63.76	60.56	57.54

51577

Communication and Control Cable Shielded



New

- Stranded tinned copper conductor
- Grey PVC jacket with colour coded PVC insulation
- Voltage rating 600V
- Operating temperature -20°C to +105°C

Small diameter communication and control cable with excellent transient immunity.

515781

Mfrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code	Price Per Reel/Metre		
				1+	5+	10+
3302	2	3.1	161-9586●	97.97	93.07	88.41
3303	3	3.3	161-9587●	149.11	141.66	134.57
3304	4	3.5	161-9588●	181.93	172.82	164.18
3306	6	4.3	161-9589●	232.58	220.95	209.90
3308	8	4.4	161-9590●	264.77	251.52	238.95
3310	10	5.3	161-9591●	336.27	319.46	303.48
3312	12	5.4	161-9592●	380.57	361.54	343.46
3315	15	5.8	161-9593●	462.44	439.33	417.35

Continuous Length in 1m Multiples

Mfrs. List No.	No. of Cores	Outside Dia. (mm)	Order Code	1+	5+	10+
3302	2	3.1	161-9698●	8.37	—	—
3303	3	3.3	161-9699●	12.75	—	—
3304	4	3.5	161-9700●	15.50	—	—
3306	6	4.3	161-9701●	19.87	—	—
3308	8	4.4	161-9702●	22.57	—	—
3310	10	5.3	161-9703●	28.71	—	—
3312	12	5.4	161-9704●	32.46	—	—
3315	15	5.8	161-9705●	39.48	—	—

Communication and Control Cable

Individually Screened



- 22AWG individually shielded communication and control cable
- Suitable for RS232 applications
- Grey PVC sheath
- UL2493 recognised
- Aluminium/polyester tape screen, foil facing inwards
- Voltage rating 300V
- Operating temperature -20°C to +60°C
- 22AWG tinned copper drain wire

Mfrs. List No.	No. of Pairs	Outside Diameter	Jacket Thickness	Attenuation @ 20°C	Order Code
6010C	3	8mm	1.14mm	4.2dB	123-5617
6012C	6	9.9mm	1.14mm	4.2dB	123-5619
6014C	9	11.6mm	1.14mm	4.2dB	123-5621



2 Pair Individually Shielded Data Cable



- Applications:**
- Audio, Pulse or RF Signal Transmission
 - Computer or Electronic Peripheral Interconnectors where high levels of noise interference are anticipated

Reel Length	Wire Size (mm)	Diameter (mm)	Alpha Wire Part No.	Order Code	1+	5+	10+	25+
30.5m	22AWG	4.1	2466C	130-2756●	26.49	24.08	22.63	20.46
304.8m	22AWG	4.1	2466C	130-2758●	150.16	141.89	132.30	125.37

Communication and Control Cable

Overall Screened and Braided



- Multipair cable designed for the interconnection of computer equipment where high levels of noise interference are anticipated
- Tinned copper conductors with polyester/aluminium foil

Mfrs. List No.	No. of Pairs	Outside Diameter	Jacket Thickness	Capacitance Core to Core/Screen (pF/m)	Order Code
6222C	2	7.4mm	0.89mm	41/72.2	123-5622
6227C	7	9.4mm	0.89mm	41/72.2	123-5623



Mfrs. List No.	Order Code	1+	5+	10+
6222C	123-5622●	134.06	131.37	115.89
6227C	123-5623●	377.77	361.89	320.30

Data Transmission Cable - continued

Single Twisted pair (Screened)



22 AWG



- Single twisted pair of (7/30 AWG) tinned

Cut Lengths Available

copper conductors screened overall in aluminised polyester tape with integral drain wire

- Sheathed overall in Grey PVC

No. of Pairs	Overall Dia.	Impedance	Capacitance/metre Core/core	Capacitance/metre Core/screen	UL
1	4.6mm	85Ω	79pF	164pF	UL Style 2092 224047

Reel Length	Order Code	Price Per Reel/Metre
Continuous Length in 1m Multiples		
100m	149-9576●	0.70
500m	120-2745●	54.81
	120-2746●	249.08
		53.16
		244.10
		52.09
		239.21

Unshielded Twisted Pair



copper conductors

- Sheathed overall in Chrome PVC or zero halogen (NH)
- Designed for Audio and Control system applications.

Cut Lengths Available

Belden Number	CSA	Nominal Outside Dia
8205	0.5mm ²	5.1mm

208078

Belden No.	Length	Order Code	Price Per Reel/Metre
8205	152.4m	118-2083●	74.41
8205	304.8m	118-2084●	122.00
Continuous Length in 1m Multiples		121-8668●	1.23

9829 - Twin Twisted Pair Overall Shielded



- Twin twisted pairs of polyethylene insulated 24AWG (7 x 32AWG) tinned stranded copper conductors
- Beldfoil® aluminium/polyester foil with integral tinned copper drain wire
- Sheathed overall in Chrome PVC or zero halogen (NH)
- Designed for RS422 applications.

Cut Lengths Available

Nominal outside diameter	Capacitance	Velocity of propagation	Nominal
Nominal Impedance	95.1pF/m core to core	66%	Overall Dia.
7.39mm	90.2pF/m core to core + shield		5.1mm
100Ω			
			208065
Reel Length	Order Code	Price Per Reel/Metre	
30.5m	118-2125●	62.95	+
152.4m	118-2078●	354.93	---
Continuous Length in 1m Multiples		121-8666●	2.11

8723 - Twin Twisted Pair Individually Shielded



- Individually shielded twin twisted pairs, Red/Black and Green/White polypropylene
- 22AWG (7/30AWG) tinned stranded copper wire

Cut Lengths Available

Nominal outside diameter	Capacitance	Velocity of propagation	Nominal
4.06mm	203pF/m core to core + shield		
45Ω			
Capacitance	115pF/m core to core		
		66%	

Note: Reel length with U-prefix indicates supplied in Un-Reel® dispenser box.

(NH) indicates zero halogen sheath

208064

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
8723	U-30.5m	118-2117●	33.70
	U-152.4m	118-2081●	132.32
Continuous Length in 1m Multiples	U-304.8m	118-2082●	220.74
			205.31
		121-8667●	1.89

Audio, Control and Instrumentation Cable

8771 Non-Paired



- 22 AWG stranded (7x30) tinned copper conductors
- Conductors cabled
- Polyethylene insulation
- Overall Beldfoil® aluminium-polyes-



- ter shield (100% coverage)
- 22 AWG stranded tinned copper drain wire each pair
- PVC jacket
- UL1581

Nominal outside diameter	5.05mm	Operating temperature	-20°C to +60°C
Capacitance (Core-Core)	23pF/ft	Max operating voltage	300V rms
Capacitance (Core-Screen)	41pF/ft	Current (per conductor)	2.9A

478465

Reel Size	Order Code	Price Per Reel
152.4m	142-3223●	130.15
		121.04
		117.20

208077

8442 and 8444 Unshielded Multicore



- Two and four core conductors
- PVC insulated 22AWG (7/30AWG) tinned stranded copper conductors
- Sheathed overall in Grey PVC
- Applications Audio, Control and RS232C

Type No.	No. of Cores	Nominal Outside Diameter	UL Recognised
8442	2	4.32mm	—
8444	4	4.7mm	2576

Note: Reel length with U-prefix indicates supplied in UnReel™ dispenser box.

208077

Belden No.	Boxed Reel Length	Order Code	Price Per Reel
8442	U-152.4m	118-2085●	71.69
8444	U-152.4m	118-2086●	112.34

208077

Overall Shielded Twisted Multipair 24AWG



- Semi-rigid PVC insulated twisted pairs of 24AWG (7/32AWG) tinned stranded copper conductors
- Shielded overall in Beldfoil® aluminium/polyester foil with integral tinned copper drain wire
- Sheathed overall in Chrome PVC

Type No.	No. of Pairs	Overall Dia.	Nom. resistance/km	Nom. capacitance/metre	UL Recognised
9501	1	3.96mm	78.7Ω	59.1Ω	243pF/m 2464
9502	2	5.64mm	78.7Ω	55.8Ω	98pF/m 164pF/m 2464
9503	3	5.89mm	78.7Ω	55.8Ω	98pF/m 164pF/m 2464
9504	4	6.73mm	78.7Ω	55.8Ω	98pF/m 164pF/m 2464
9505	5	7.34mm	78.7Ω	55.8Ω	98pF/m 164pF/m 2464
9506	6	7.34mm	78.7Ω	52.5Ω	98pF/m 164pF/m 2464
9507	7	7.47mm	78.7Ω	54.1Ω	98pF/m 164pF/m 2464
9508	8	8.23mm	78.7Ω	54.1Ω	98pF/m 164pF/m 2464
9509	9	8.48mm	78.7Ω	54.1Ω	98pF/m 164pF/m 2464
9515	15	10.5mm	78.7Ω	54.1Ω	98pF/m 164pF/m 2464
9519	19	11.4mm	78.7Ω	54.1Ω	98pF/m 164pF/m 2464

208080

Belden No.	Boxed Reel Length	Order Code	Price Per Reel/Metre
9501	U-30.5	118-2119●	18.36
	U-152.4	118-2088●	55.28
	U-304.8	118-2089●	115.36
9502	U-30.5	118-2120●	23.24
	U-152.4	118-2090●	97.72
	U-304.8	118-2091●	187.26
9503	U-30.5	118-2121●	38.25
	U-152.4	118-2093●	125.55
	U-304.8	118-2094●	224.87
9504	U-30.5	118-2123●	39.18
	U-152.4	118-2095●	137.64
	U-304.8	118-2096●	296.40
9505	U-30.5	118-2124●	43.73
	U-152.4	118-2097●	241.37
	U-304.8	118-2137●	297.00
9506	U-152.4	118-2138●	291.92
	U-304.8	118-2139●	354.93
9508	U-152.4	118-2136●	410.36
9509	U-152.4	118-2140●	743.55
9515	U-152.4	118-2141●	613.33
9519	U-152.4	121-8672●	1.02
9501		121-8673●	1.69
9502		121-8674●	1.61
9503		121-8675●	2.43
9504		121-8676●	3.14
9505		121-8677●	3.61
9506		121-8678●	—

208080

Belden No.	Boxed Reel Length	Order Code	Price Per Reel/Metre
9507		121-8678●	4.24
9508		121-8679●	4.87
9509		121-8680●	5.78
9515		121-8681●	10.26
9519		121-8683●	14.09

Overall Screened Multicore

24 AWG - PVC Insulated



Cut Lengths Available

- Tinned copper conductors 24 AWG (7/32 AWG)
- PVC insulated overall
- Screened in aluminium-polyester foil providing 100% external screening
- Termination of the foil screen is by means of a stranded 24AWG tinned copper drain wire
- Applications include sound, broadcast, audio and instrumentation.
- UL recognised as style 2464. CSA type SR PVC.

Capacitance between conductors Up to 8 core 108pF/m Max. operating temperature +80°C
10 core plus 98pF/m Sheathed in Grey PVC
Voltage rating 300V

208128

No. of Cores	Norm. Dia.	Reel Length	Order Code	Price Per Reel/Metre
				1+ 5+ 10+
3	4.3	100m	125-1758●	41.80
4	4.8	100m	125-1759●	40.54
5	5	25m	125-1760●	18.90
5	5	100m	125-1761●	47.79
6	5.5	100m	125-1762●	67.83
8	5.8	25m	125-1763●	30.08
8	5.8	100m	125-1765●	126.38
10	6.4	25m	125-1766●	33.27
10	6.4	100m	125-1767●	85.31
15	7.4	25m	125-1768●	39.65
15	7.4	100m	125-1769●	159.75

Continuous Length in 1m Multiples

3	4.3	138-7710●	1.21
4	4.8	138-7712●	1.45
5	5	138-7715●	1.62
6	5.5	138-7719●	1.89
8	5.8	138-7722●	1.39
10	6.4	138-7725●	2.72
15	7.4	138-7726●	3.78

Overall Screened Twisted Multipair

Cut Lengths Available

- Twisted pair 7/0.203mm tinned copper conductors screened overall in aluminised polyester tape with integral drain wire
- Sheathed overall in Grey PVC

No. of Pairs	Overall Dia.	Impedance	Capacitance/metre	Core/core	Core/scm.	No. of 5	Overall 7.24mm	Imped 77Ω	Capacitance/metre	98pF	164pF
2	5.71mm	77Ω	98pF	164pF		6	7.49mm	77Ω	98pF	164pF	
3	5.97mm	77Ω	98pF	164pF		15	10.16mm	85Ω	98pF	164pF	
4	6.73mm	77Ω	98pF	164pF							

224053

No. of Pairs	Order Code	Price Per Reel/Metre		
		1+	5+	10+
100m Reel				
2	121-9358●	105.13	64.85	51.39
3	121-9359●	140.82	78.11	67.30
4	120-2740●	141.93	78.28	66.76
5	120-2742●	179.16	124.15	105.89
6	120-2743●	235.44	137.95	117.65
15	120-2744●	299.79	281.04	239.73
Continuous Length in 1m Multiples				
2	138-7731●	0.86	--	--
3	138-7732●	0.92	--	--
4	138-7734●	1.91	--	--
5	138-7737●	2.56	--	--
6	138-7739●	3.12	--	--
15	138-7742●	3.28	--	--

RS422 and CAD/CAM

Cut Lengths Available

- 24 AWG (7/32AWG) twisted pairs tinned stranded copper conductors, Datalene® insulated
- Shielded per pair using Beldfoil® aluminium/polyester foil with Z-Fold® giving 100% coverage

- 24 AWG integral drain wire

- Grey PVC jacket

- Passes VW-1 flame test

- UL Style 2493

- Overall aluminium/polyester foil plus 65% tinned copper braid shield

- Applications RS-422, CAD and CAM

OC Resistance 78.7Ω Nominal impedance 100Ω
Velocity of propagation 78% Nominal capacitance 41pF/m

208215

152.5m Reel

Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
8162	2	8.71	118-2168●	366.82
8163	3	9.12	118-2170●	616.71
8164	4	9.86	961-887●	717.98
30.5m Reel				
8163	3	9.12	161-0298●	172.24

Continuous Length in 1m Multiples

8162	2	8.71	121-8653●	6.46
8163	3	9.12	121-8654●	6.92
8164	4	9.86	385-4607●	5.53

9841 and 9842 EIA RS-485 Applications

SENDING ALL THE RIGHT SIGNALS

- 24 AWG (7/32AWG) tinned stranded copper, polyethylene insulated twisted pairs
- Z-Fold Beldfoil® aluminium/polyester foil shield
- 24 AWG integral stranded tinned copper drain wire

- Overall tinned copper braid shield, 90% coverage
- Applications EIA RS-485 communications
- UL Recognise 2919

Nominal capacitance 42pF/m Nominal impedance 120Ω
Velocity of propagation 66%

208205

Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
152.5m Reel length				
9841	1	5.89	961-723●	531.64
9842	2	8.64	961-735●	771.59
Continuous Length in 1m Multiples				
9841	1	5.89	385-4565●	2.85
9842	2	8.64	385-4577●	4.23

Low Capacitance RS485

SENDING ALL THE RIGHT SIGNALS

- 28 AWG (7/36AWG) tinned stranded copper conductors Datalene® insulated
- Z-Fold Beldfoil® aluminium/polyester foil, giving 100% coverage
- Overall tinned copper braid, 65% coverage

Nominal core resistance/km 213Ω Nominal impedance 120Ω
Velocity of propagation 78% Nominal capacitance 65.6pF/m

208217

Belden No.	No. of Pairs	Nominal Outside Dia. (mm)	Order Code	Price Per Reel/Metre
8132	2	5.97	118-2166●	326.57
8133	3	6.86	118-2167●	321.43
8134	4	7.37	491-4661●	433.20
8138	8	8.38	491-4685●	736.69
Continuous Length in 1m Multiples				
8132	2	5.97	121-8651●	3.85

Industrial & Automation Cable**CY Cable**

- Flexible power control cable used in data applications and automated equipment where screening is required and the equipment could be subject to vibration
- Inner cores are overall sheathed in grey PVC, tinned annealed copper braid and grey PVC
- Inner cores are plain annealed copper sheathed in number coded black PVC

Conductor Area (mm²)	3 Core	4 Core	5 Core	7 Core
0.75	9.2	10.2	10.3	—
1	9.8	10.7	11.2	—
1.5	10.6	11.4	12.1	13
2.5	13.2	13.2	14.7	—

Core Colour Codes	3 Core: 2 numbered Black, Green/Yellow
	4 Core: 3 numbered Black, Green/Yellow
	5 Core: 4 numbered Black, Green/Yellow
	7 Core: 6 numbered Black, Green/Yellow

Industrial & Automation Cable - continued

CY Cable - continued

489005

Conductor Area	Reel Length (m)	Order Code	Price Per Reel			
			1+	5+	10+	20+
3 Core						
0.75mm ²	50	149-4596●	41.93	39.83	37.83	35.94
0.75mm ²	100	149-4597●	74.27	70.55	67.01	63.65
1mm ²	50	149-4598●	49.34	46.86	44.51	42.28
1mm ²	100	149-4599●	83.17	79.01	75.05	71.30
1.5mm ²	50	149-4601●	61.68	58.59	55.65	52.87
1.5mm ²	100	149-4602●	103.20	98.05	93.14	88.48
2.5mm ²	50	149-4603●	80.38	76.35	72.52	68.89
2.5mm ²	100	149-4604●	145.29	138.02	131.11	124.54
4 Core						
0.75mm ²	50	130-7723●	39.37	37.39	--	--
0.75mm ²	100	130-7724●	69.31	65.84	--	--
1mm ²	50	130-7725●	60.18	57.17	--	--
1mm ²	100	130-7726●	113.02	107.37	--	--
1.5mm ²	50	130-7727●	76.00	72.21	--	--
1.5mm ²	100	130-7728●	142.73	135.60	--	--
2.5mm ²	50	130-7729●	124.49	118.26	--	--
5 Core						
0.75mm ²	50	149-4619●	67.00	63.36	60.93	57.26
1mm ²	50	130-7734●	81.58	77.50	--	--
1mm ²	100	130-7735●	90.10	85.60	--	--
1.5mm ²	50	130-7736●	72.53	68.90	--	--
1.5mm ²	100	130-7737●	127.12	120.76	--	--
2.5mm ²	50	130-7738●	84.20	79.98	--	--
7 Core						
1.5mm ²	50	130-7739●	136.83	130.00	--	--
1.5mm ²	100	130-7740●	256.84	243.99	--	--

Olflex® Number Coded CY Control Cable



EMC conform screened control cable



1

The Olflex® Number Coded CY Control Cable is the slimmer lighter alternative for many control applications with particular reference to EMC critical installations. This flexible alternative can be used in fixed installations or where non-continuous but flexible movement is required. Cores of fine wire strands of plain copper wire with PVC-based conductor insulation. Wrapping of insulating plastic foil, screen braiding of tinned copper wire. Outer sheath-silver grey PVC-based, flame retardant and self extinguishing.

Minimum bend radius (flexing) 20 x diameter
 Minimum bend radius (static) 6 x diameter
 Temperature range (flexing) -5 to 70°C
 Temperature range (static) -30 to 70°C
 Working voltage 300/500
 Conductor stranding Fine wire to BS6360 Class 5, VDE 0295 Class 6
 Colour code Black cores/white numbers
 In accordance with VDE Regulations Conductors to VDE 0245/0250/0281
 Sheath to VDE 0250/0281

Cross Section Area	Core make-up	Current Rating
0.75mm ²	24/0.2mm	6A
1mm ²	32/0.2mm	10A
1.5mm ²	30/0.25mm	16A
2.5mm ²	50/0.25mm	20A

376319

Number Conductors	Nominal cable diameter	Order Code	Price Per Reel/Metre	
			1+	3+
Continuous Length in 1m Multiples				
3x0.75mm ²	6.5mm	149-1553●	2.36	
3x1mm ²	6.5mm	149-1554●	2.71	
3x1.5mm ²	7.5mm	149-1555●	3.59	
3x2.5mm ²	8.9mm	149-1557●	5.27	
5x0.75mm ²	7.7mm	149-1559●	3.28	
5x1mm ²	8.1mm	149-1560●	3.98	
Supplied on 50m Reels				
3x1mm ²	6.5mm	117-9080●	67.58	64.21
3x2.5mm ²	8.9mm	117-9084●	123.22	117.07
4x1.5mm ²	8.2mm	117-9089●	107.13	101.77
5x0.75mm ²	7.7mm	117-9092●	81.89	75.50
5x1mm ²	8.1mm	117-9095●	99.82	95.17
Supplied on 100m Reels				
3x0.75mm ²	6.5mm	117-9079●	105.35	100.08

SY Cable



- Flexible power control cable ideal for use with mains/power and machine tools where equipment may be subject to vibration
- Inner cores are overall sheathed in grey PVC, galvanised steel braid and a transparent layer of PVC
- Inner cores are plain annealed copper sheathed in number coded black PVC

Conductor Area (mm ²)	Maximum Outside Diameter (mm)					
	2 Core	3 Core	4 Core	5 Core	12 Core	18 Core
0.75	9.4	9.7	10.3	10.9	—	—
1	9.8	10.2	10.8	11.5	—	—
1.5	10.6	11	11.8	—	16	20.6
2.5	13	13.6	16	—	—	—
4	—	15.5	17	19	—	—

Core Colour Codes	2 Core: 2 numbered Black					
	3 Core: 2 numbered Black, Green/Yellow					
	4 Core: 3 numbered Black, Green/Yellow					
	5 Core: 4 numbered Black, Green/Yellow					
	12 Core: 11 numbered Black, Green/Yellow					
	18 Core: 17 numbered Black, Green/Yellow					

488964

Conductor Area	Reel Length (m)	Order Code	Price Per Reel			
			1+	5+	10+	20+
2 Core						
0.75mm ²	50	149-4605●	30.72	29.18	27.71	26.33
1mm ²	50	149-4607●	36.48	34.65	32.91	31.25
1.5mm ²	50	149-4608●	45.98	43.69	41.50	39.42
2.5mm ²	50	149-4609●	60.12	57.11	54.24	51.53
3 Core						
0.75mm ²	50	149-4610●	37.18	35.31	33.55	31.86
1mm ²	100	149-4613●	79.03	75.07	71.32	67.75
1.5mm ²	50	149-4614●	56.24	53.43	50.76	48.22
1.5mm ²	100	149-4615●	106.12	100.82	95.77	90.97
2.5mm ²	100	149-4616●	85.07	80.80	76.77	72.92
2.5mm ²	100	149-4617●	160.52	152.48	144.86	137.61
4mm ²	100	149-4618●	124.85	118.61	112.68	107.04
4 Core						
0.75mm ²	50	130-7704●	49.42	46.95	--	--
0.75mm ²	100	130-7703●	92.81	88.18	--	--
1mm ²	50	130-7706●	63.84	60.66	--	--
1mm ²	100	130-7705●	119.90	113.90	--	--
1.5mm ²	50	130-7709●	70.18	66.67	--	--
1.5mm ²	100	130-7707●	118.61	112.68	--	--
2.5mm ²	50	130-7712●	116.29	110.48	--	--
4mm ²	50	130-7713●	175.49	166.72	--	--
5 Core						
0.75mm ²	50	130-7714●	75.62	71.85	--	--
1mm ²	50	130-7715●	87.93	83.55	--	--
2.5mm ²	50	130-7717●	130.96	124.41	--	--
4mm ²	50	130-7718●	208.39	197.96	--	--

Olflex® Number Coded YY Control Cable



Control cable with numbered cores



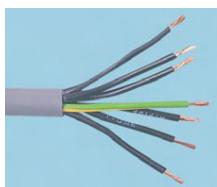
The Olflex® Number Coded YY Control Cable is ideally suited for use as control, signal and power cable in a variety of applications. Its high flexibility ensures easy installation whilst the tough external sheathing will resist the effects of many acids, caustic solutions and various oils. Areas of use include machine tool engineering, plant installations, car production lines, bottling plants and other automated production facilities.

Cores are of electrolytic fine copper wire strands with a PVC-based insulation are laid up in black with white consecutive numbering. Outer sheath of a special PVC-based compound in silver-grey. With protective earth conductor.

Minimum bend radius (flexing) 15 x diameter
 Minimum bend radius (static) 4 x diameter
 Temperature range (flexing) -5 to 70°C
 Temperature range (static) -5 to 70°C
 Working voltage 300/500 V
 Conductor stranding to BS6360 Class 5, VDE 0295 Class 5
 Colour code VDE 0293, BS6500 Black cores/white numbers
 In accordance with VDE Regulations VDE Reg No 7030

378346

Mfrs. List No.	Number of cores	Nominal cable diameter	Order Code	1+	3+
0.75mm²					
1119103	3	5.7mm	117-9042●	22.30	20.97
1119104	4	6.2mm	NEW 165-7595●	27.79	26.67
1119105	5	6.7mm	120-4058●	24.72	23.49
1119107	7	7.3mm	120-4059●	33.73	32.05
1119112	12	9.9mm	120-4060●	88.16	82.88
1mm²					
1119203	3	6mm	NEW 165-7596●	26.86	25.78
1119204	4	6.5mm	NEW 165-7597●	35.04	33.63
1119205	5	7.1mm	NEW 165-7599●	43.76	42.00
1119207	7	8mm	120-4062●	42.81	40.67
1.5mm²					
1119303	3	6.7mm	120-4064●	38.44	36.13
1119304	4	7.2mm	NEW 165-7600●	48.25	46.31
1119305	5	8.1mm	NEW 165-7601●	60.63	58.20
1119307	7	8.9mm	NEW 165-7602●	84.99	81.58
2.5mm²					
1119403	3	8			

YY Cable

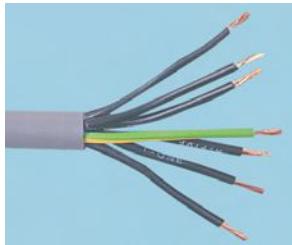
- Flexible power control cable commonly used in power control, instrumentation or automated equipment where screening or armouring is not required
- Overall sheathed in Grey PVC with plain copper conductors

Conductor Area (mm ²)	Maximum Outside Diameter (mm)							Current Rating
	3 Core	4 Core	5 Core	7 Core	8 Core	12 Core	18 Core	
0.75	7.1	7.7	8.6	9.5	—	12.6	13.4	6A
1	7.6	8.2	—	10.1	—	—	—	10A
1.5	8.9	9.6	10.8	11.9	11.6	—	17	16A
2.5	10.4	11.6	12.6	—	—	—	—	20A

232169

Conductor Area	Reel Length* (m)	Order Code	Price Per Reel	
			1+	5+
3 Core				
0.75mm ²	50	388-4466●	20.62	19.59
0.75mm ²	100	388-4478●	38.69	36.76
1mm ²	50	388-4480●	23.24	22.06
1mm ²	100	388-4491●	43.63	41.44
1.5mm ²	100	388-4510●	53.97	51.28
2.5mm ²	100	388-4533●	86.24	81.93
4 Core				
0.75mm ²	50	388-4545●	23.97	22.78
0.75mm ²	100	388-4557●	44.99	42.73
1mm ²	50	388-4569●	34.54	32.81
1mm ²	100	388-4570●	64.87	61.64
1.5mm ²	50	388-4582●	41.36	39.29
1.5mm ²	100	388-4594●	77.64	73.76
2.5mm ²	50	388-4600●	67.70	64.31
2.5mm ²	100	388-4612●	127.10	120.75
5 Core				
0.75mm ²	50	388-4624●	35.58	33.80
1.5mm ²	50	388-4636●	46.51	44.19
2.5mm ²	50	388-4648●	84.73	80.50
7 Core				
0.75mm ²	50	388-4650●	42.08	39.96
1mm ²	50	388-4661●	52.50	49.88
1.5mm ²	50	388-4673●	73.27	69.61
2.5mm ²	50	120-2708●	123.66	117.47
8 Core				
1.5mm ²	50	120-2709●	110.80	105.26
12 Core				
0.75mm ²	50	388-4685●	69.21	65.74
1.5mm ²	50	120-2711●	150.03	142.52
2.5mm ²	50	120-2712●	228.16	216.75
18 Core				
0.75mm ²	50	120-2713●	191.70	182.10
1.5mm ²	50	120-2714●	223.81	212.63

* Tolerance +/- 5%

YY Type - PVC Sheathed

Cut Lengths Available

- Flexible PVC insulated plain copper conductors
- Sheathed overall in Grey PVC to VDE specifications
- Applications data: instrumentation, power control in areas not requiring screened armour protection.
- Available in 50m reels and cut to length

Operating temperature -20°C to +80°C (fixed installation)
 -5°C to +70°C (flexing) Voltage rating 300/500V

Conductor Area (mm ²)	Maximum Outside Diameter (mm)							Current Rating
	3 Core	4 Core	5 Core	7 Core	12 Core	18 Core	24 Core	
0.75mm ²	6.3	6.8	7.1	8.5	10.5	—	6A	6A
1mm ²	6.6	7.3	—	9.1	—	—	—	10A
1.5mm ²	7.3	8	9	10.4	—	—	—	16A
2.5mm ²	9.1	9.8	11	—	—	—	—	20A

Core Colour Codes 3 Core: 2 x numbered Black, Green/Yellow
 4 Core: 3 x numbered Black, Green/Yellow
 5 Core: 4 x numbered Black, Green/Yellow
 7 Core: 6 x numbered Black, Green/Yellow
 12 Core: 11 x numbered Black, Green/Yellow

50m Reels Conductor Area	Order Code	Price Per Reel			20+
		1+	5+	10+	
3 Core					
0.75mm ²	118-4432●	25.44	24.17	22.96	21.81
1mm ²	118-4433●	31.38	29.82	28.33	26.92
1.5mm ²	118-4434●	38.94	36.99	35.14	33.37
2.5mm ²	118-4435●	71.61	68.02	64.62	61.40
4 Core					
0.75mm ²	118-4437●	32.20	30.58	29.06	27.61
1mm ²	118-4438●	38.97	37.01	35.17	33.41
1.5mm ²	118-4439●	50.45	47.93	45.53	43.26
2.5mm ²	118-4440●	92.72	88.09	83.69	79.50

50m Reels Conductor Area	Order Code	Price Per Reel			
		1+	5+	10+	20+
5 Core					
0.75mm ²	118-4442●	44.99	42.73	40.60	38.58
1mm ²	118-4443●	69.10	65.64	62.36	59.24
2.5mm ²	118-4444●	116.92	111.09	105.52	100.25
7 Core					
0.75mm ²	118-4445●	53.93	51.24	48.67	46.24
1mm ²	118-4446●	70.82	67.27	63.91	60.72
1.5mm ²	118-4447●	95.58	90.81	86.26	81.95
12 Core					
0.75mm ²	118-4448●	94.19	89.48	85.00	80.74

230423

Continuous Length in 1m Multiples Conductor Area	Order Code	Price Per Metre	
		1+	1+
3 Core			
0.75mm ²	121-8560●	0.46	
1mm ²	121-8561●	0.60	
1.5mm ²	121-8562●	0.78	
2.5mm ²	121-8563●	1.19	
4 Core			
0.75mm ²	121-8564●	0.71	
1mm ²	121-8565●	0.87	
1.5mm ²	121-8566●	1.23	
2.5mm ²	121-8568●	2.79	
5 Core			
0.75mm ²	121-8569●	1.98	
1mm ²	121-8570●	1.23	
2.5mm ²	121-8571●	2.86	
7 Core			
0.75mm ²	121-8572●	2.29	
1mm ²	121-8573●	2.39	
1.5mm ²	121-8574●	2.56	
12 Core			
0.75mm ²	121-8575●	3.06	

UV Resistant 0.6 / 1 kV Black Multicore

Offlex® 110 Black



Cut Lengths Available



OLFLEX® Classic 110 Black 0,6/1 kV cables are control and connecting cables with a black outer sheath for use in dry, damp and wet rooms, for normal mechanical abuse. At ambient temperature it is generally resistant against acids, caustics solutions and certain oils. Continuous movements or usage of these cables in moving cable carriers or on motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

OLFLEX® Classic 110 Black 0,6/1 kV is used as control and connecting cable for control systems in machine tools, transporting plants, production and assembly lines, as well as measuring systems, automatic control and computer systems.

- Operating temperature -30°C to 80°C max
- PVC insulation
- Conductors to VDE 0281
- Bare stranded copper conductors

Conductor size (CSA)	Conductor make-up	Voltage rating AC
0.75mm ²	24/0.2mm	600/1000V
1mm ²	32/0.2mm	600/1000V
1.5mm ²	30/0.25mm	600/1000V

448974

50m Reels No of cores	Mfrs.List No.	Order Code	Price Per Reel/Metre		
			1+	5+	10+
0.75mm²					
2	1120232	149-1493●	1.38		
3	1120233	149-1494●	1.90		
4	1120235	149-1495●	2.17		
1.0mm²					
2	1120266	149-1498●	1.61		
3	1120267	149-1499●	2.04		
4	1120269	149-1500●	2.63		
5	1120271	149-1501●	3.19		
7	1120274	149-1502●	4.63		
1.5mm²					
3	1120307	149-1504●	2.84		

RoHS Compliant		Non-compliant	
08447 11 11 11	11	08447 11 11 11 12	12



Industrial & Automation Cable - continued**Polyurethane Control Cable**

Olfex® Classic 400P - UV, Microbe & Oil Resistant

**Cut Lengths Available**

OLFLEX® Classic 400 P cables are UV, microbe and oil resistant control cables with a Polyurethane outer sheath, for flexible or fixed installation. They are for use in dry, damp and wet rooms. With consideration to the specified temperature range it's possible to use it outside. The outer sheath is resistant against high mechanical abuse, particularly to abrasion and cutting. It is microbe-proof and hydrolysis resistant.

OLFLEX® Classic 400 P cables are for use as control and power cable for machine tools and mechanical engineering. Continuous movement, use of these cables in moving cable carriers, or motor drum guidance or under a strain of more than 15 N/mm² is not allowed.

- Operating temperature -40°C to 80°C max
- Bare copper stranded conductors
- Polyurethane TPU insulation

Mfrs. List No.	Cores	Size (CSA)	Current carrying capacity-amps 30°C nominal rise	Diameter External (Max)
1312003	3	0.5mm ²	9	5.1mm
1312004	4	0.5mm ²	9	5.7mm
1312005	5	0.5mm ²	9	6.2mm
1312007	7	0.5mm ²	9	6.7mm
1312103	3	0.75mm ²	12	5.7mm
1312104	4	0.75mm ²	12	6.2mm
1312105	5	0.75mm ²	12	6.7mm
1312107	7	0.75mm ²	12	7.3mm
1312112	12	0.75mm ²	12	9.9mm
1312203	3	1mm ²	15	6mm
1312204	4	1mm ²	15	6.5mm
1312205	5	1mm ²	15	7.1mm
1312207	7	1mm ²	15	8mm
1312303	3	1.5mm ²	18	6.7mm
1312304	4	1.5mm ²	18	7.2mm
1312305	5	1.5mm ²	18	8.1mm
1312307	7	1.5mm ²	18	8.9mm
1312312	12	1.5mm ²	18	12mm
1312403	3	2.5mm ²	26	8.1mm
1312404	4	2.5mm ²	26	8.9mm

449187

Continuous Length in 1m Multiples	Price Per m	50m Reel Price Per Reel		
		Order Code	1+	5+
0.75mm²				
4	128-6022●	5.07	128-5787●	126.54
5	128-6023●	6.08	128-5788●	152.02
7	128-6024●	6.69	128-5789●	227.49
1mm²				
4	128-6025●	5.85	128-5790●	146.34
5	128-6026●	3.56	128-5791●	173.20
7	128-6027●	7.38	128-5792●	157.43
1.5mm²				
4	128-6028●	8.59	128-5793●	214.82
5	128-6029●	9.34	128-5794●	233.62
7	128-6030●	13.28	128-5795●	332.00

Turn to page 197 for Chain Links

**PUR Data Cables for Cable Chain Applications****UL CSA****Unitronic-FD® CP TP Plus****Cut Lengths Available**

UNITRONIC-FD® CP (TP) is a twisted paired, screened and highly flexible PUR cable for constantly moving components in power chain systems, linear rotors and automatic handling machines. The copper screening with a high coverage effectively protects against external interference.

The cut resistant, notch ductile PUR outer sheath ensures low wear in power chain systems and is highly resistant to mineral oils.

In addition the cable is halogen free, flame retardant and cold flexible(for use in cold conditions).

- Superfine stranded bare copper wire conductor
- Polyurethane outer sheath
- Operating temperature -40°C to 70°C max
- Supplied on 50m reels

Size (CSA)	Conductor make-up	Outside diameter	Loop resistance	Inductance	Capacitance Nom.
0.25mm ²	32/0.1mm	7.3mm	160Ω/km	0.65μH/m	60nF/km
0.5mm ²	28/0.15mm	9.3mm	79Ω/km	0.65μH/m	60nF/km

44916

Continuous Length in 1m Multiples	Price Per m	50m Reel Price Per Reel					
		Pairs	O/D (mm)	Order Code	1+	5+	10+
2	7.3	128-6033●	5.13	128-5796●	128.22	118.73	112.19
3	7.7	128-6034●	6.74	128-5797●	168.74	156.24	147.65
4	8.3	128-6035●	8.12	128-5799●	203.07	188.05	177.68
5	8.9	128-6036●	9.31	128-5800●	232.61	215.39	203.53
10	12.4	128-6037●	13.59	128-5801●	433.21	401.16	379.06
0.5mm²							
2	9.3	128-6038●	6.40	128-5802●	206.36	191.09	180.56
3	10.1	128-6039●	9.88	128-5803●	247.11	228.80	216.20
4	10.7	128-6040●	11.53	128-5805●	288.42	267.07	252.37
5	11.8	128-6041●	10.47	128-5806●	261.84	242.47	229.11
10	16.4	128-6042●	23.68	128-5807●	592.12	548.30	518.11

44916

High EMC, Low Capacitance Double Screened**Servo Cable****Olfex® Servo 2YSLCY****Cut Lengths Available**

OLFLEX® Servo 2YSLCY is a flexible cable having special EMC- performance due to its double shielded, low capacitance design. Ideal for frequency converters, varying the speed of 3phase motors. Unlike PVC insulated cables, PE insulated cables shows significant reduction of EMC noise within the whole drive system.

OLFLEX® Servo 2YSLCY cables are suitable for use in dry, damp and wet rooms/locations. Good resistance against acids, caustic solutions and certain oils at room temperature. Suitable for free, as well as for static use. Not suitable for continuously moving appliances or under tensile load.

- Stranded bare copper wire conductor
- Transparent PVC outer sheath
- Operating temperature -40°C to 70°C max
- Supplied on 50m reels

Mfrs. List No.	Size (CSA)	Conductor make-up	Outside diameter
0036425	1.5mm ²	30/0.25mm	11.6mm
0036426	2.5mm ²	50/0.25mm	13.1mm

449215

Continuous Length in 1m Multiples	Price Per m	50m Reel Price Per Reel				
		Conductor (CSA)	Order Code	1+	5+	10+
1.5mm ²	128-6044●	5.82	128-5808●	145.71	134.93	127.49
2.5mm ²	128-6045●	7.96	128-5809●	198.97	184.24	174.09

449215

PUR Flexible Cables for Cable Chain Applications**Applications****Olfex® FD 855P****Cut Lengths Available**

OLFLEX® FD 855 P cables are highly flexible, oil resistant control and supply cables for special use in power chains, automatic manipulators, in permanently moving machine parts and also for long travel lengths. They are for use in dry, damp, wet rooms and outside. Usage under strain of more than 15 N/mm² is not advised. OLFLEX® FD 855 P cables are oil resistant and at room temperature resistant against acids and caustics solution. The outer sheath of Polyurethane is resistant against high mechanical abuse, particularly to abrasion and cuts, microbe-proof and hydrolysis resistant. The sheath is halogen-free.

- Superfine stranded bare copper wire conductor
- Polyurethane outer sheath
- Operating temperature -40°C to 80°C max
- Supplied on 50m reels

Size (CSA)

Conductor make-up

Outside diameter

0.75mm²

42/0.15mm

7mm

1mm²

56/0.15mm

7.5mm

1.5mm²

84/0.15mm

8.3mm

449217

Halogen Free Control Cable

Offlex® Classic 130H



Cut Lengths Available

Offlex® Classic 130H is a halogen free, highly flame retardant control cable for permanent and non-continuous application in dry and wet environment. For use outside only over ground, with protection for fixed installation.

Minimum bend radius (flexing) 15 x diameter
 Minimum bend radius (static) 4 x diameter
 Temperature range (flexing) -15 to 70°C
 Temperature range (static) -40 to 70°C
 Working voltage 300/500 V
 Conductor stranding fine wire to IEC 60228 Class 5, VDE 0295 Class 5
 Colour code Black cores/white numbers, with green/yellow ground conductor

490885

Continuous Length in 1m Multiples			Price Per m	50m Reel Price Per Reel		
Cores	O/D (mm)	Order Code		Order Code	1+	5+
0.75mm²						
2	5.7	150-4117●	2.04	150-3950●	40.73	38.70
3	6.2	150-4118●	2.47	150-3951●	49.24	46.78
4	6.8	150-4119●	2.84	150-3953●	56.73	53.90
6	7.4	150-4120●	3.52	150-3954●	70.34	66.82
11	9.9	150-4121●	5.91	150-3955●	117.97	112.08
1.00mm²						
2	6	150-4122●	2.35	150-3956●	46.71	44.38
3	6.6	150-4123●	2.87	150-3957●	57.25	54.39
4	7.2	150-4124●	3.34	150-3958●	66.64	63.31
6	8	150-4126●	4.29	150-3961●	85.86	81.57
11	10.6	150-4127●	7.07	150-3962●	141.26	134.20
1.50mm²						
2	6.7	150-4128●	2.99	150-3963●	59.62	56.64
3	7.3	150-4129●	3.67	150-3964●	73.24	69.57
4	8.1	150-4130●	4.46	150-3965●	88.96	84.52
6	8.9	150-4131●	5.70	150-3966●	114.07	108.36
11	12	150-4132●	9.57	150-3967●	191.39	181.82

Intrinsically Safe Control Cables



Offlex® EB



Cut Lengths Available

Offlex® EB is a PVC control cable with a blue outer sheath for use in explosive atmosphere with hazard type "ii" (intrinsically safe). Complies with DIN EN 60079-14 section 12.2.2 (VDE 0165 Part 1). Electrical characteristics and marking of wire and cable.

Minimum bend radius (flexing) 15 x diameter
 Minimum bend radius (static) 4 x diameter
 Temperature range (flexing) -5 to 70°C
 Temperature range (static) -40 to 70°C
 Working voltage <50Vac, <75Vdc
 Conductor stranding fine wire to IEC 60228 Class 5, VDE 0295 Class 5
 Colour code Black cores/white numbers,

490900

Continuous Length in 1m Multiples			Price Per m	50m Reel Price Per Reel		
Cores	O/D (mm)	Order Code		Order Code	1+	5+
0.75mm²						
2	5.4	150-4133●	0.98	150-3968●	24.27	23.06
3	5.7	150-4134●	1.30	150-3969●	32.29	30.68
4	6.2	150-4135●	1.64	150-3970●	40.98	38.93
5	6.7	150-4136●	2.07	150-3971●	51.57	49.00
7	7.3	150-4138●	2.84	150-3973●	70.83	67.29
12	9.9	150-4139●	5.13	150-3974●	128.00	115.52
1.5mm²						
2◆	7.1	150-4140●	1.77	150-3975●	52.80	50.15
3◆	7.9	150-4141●	2.32	150-3976●	68.91	65.46
4◆	8.7	150-4142●	2.86	150-3977●	85.10	80.85
6◆	9.7	150-4143●	4.06	150-3978●	120.87	114.83
11◆	13	150-4144●	6.96	150-3979●	207.15	196.79

◆ = Plus green/yellow earthing conductor

Screened Intrinsically Safe Control Cables



Offlex® EB CY



Cut Lengths Available

Offlex® EB CY is a Screened PVC control cable with a blue outer sheath for use in explosive atmosphere with hazard type "ii" (intrinsically safe). Complies with DIN EN 60079-14 section 12.2.2 (VDE 0165 Part 1). Electrical characteristics and marking of wire and cable. The copper braid screen is a protection against electrical interference.

Minimum bend radius (flexing) 20 x diameter
 Minimum bend radius (static) 6 x diameter
 Temperature range (flexing) -5 to 70°C
 Temperature range (static) -40 to 70°C
 Working voltage <50Vac, <75Vdc
 Conductor stranding fine wire to IEC 60228 Class 5, VDE 0295 Class 5
 Colour code Black cores/white numbers

490932

Continuous Length in 1m Multiples			Price Per m	50m Reel		
Cores	O/D (mm)	Order Code		Order Code	1+	5+
0.75mm²						
2	6.2	150-4145●	1.98	150-3980●	49.25	46.79
3	6.5	150-4146●	2.55	150-3981●	63.79	60.60
4	7	150-4147●	2.98	150-3982●	74.13	70.42
5	7.7	150-4148●	3.47	150-3983●	86.55	82.22
7	8.3	150-4151●	4.30	150-3985●	107.54	102.16
12	10.9	150-4152●	6.93	150-3986●	172.99	164.34
1.5mm²						
2	7.1	150-4153●	2.99	150-3987●	74.55	70.82
3	7.5	150-4154●	3.82	150-3988●	95.36	90.60
5	8.9	150-4155●	5.60	150-3989●	139.93	132.94
7	9.9	150-4156●	7.11	150-3990●	177.63	168.76
12	13	150-4157●	11.41	150-3991●	285.16	270.91

Offlex Internationally Approved Cable



New

ÖLFLEX® 150 QUATTRO cables are oil resistant control cables. Due to their construction and the composition of material, they are approved in accordance with European & US standards. For use in machine tools, conveyor lines and production lines etc. For middle mechanical abuse fixed and flexible use free movement without tensile load in moving cable carriers. They are to be used in dry, damp and wet rooms, but not outside. ÖLFLEX® 150 QUATTRO are resistant to oil and generally resistant against acids & caustic solutions.

Conductor Bare copper, fine wire strand to IEC 60 228 that is VDE 0295, class 5
 Design HD 21.1351 that is VDE 0281-13, UL AWM, CSA C 22.2 No. 210.2
 Core insulation PVC compound TI2 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
 Identification HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor
 Outer sheath PVC compound TM5 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
 Nominal voltage U₀/U to VDE: 300/500 V
 U to UL/CSA: 600 V
 Test voltage 3000 V AC
 Temp. range -5 to +70°C (flexing) max. conductor temperature
 -40 to +70°C (fixed) max. conductor temperature
 Min. bending radius 15 x cable diameter (flexing)
 6 x cable diameter (fixed)
 Flame retardant Vertical flame test to UL 1581 § 1061, CSA FT1, IEC 60 332.1

515238

Continuous Length in 1m Multiples			Price Per m	30.5m Reel Price Per Reel			
CSA	No. of Cores	Order Code		Order Code	1+	5+	
0.75mm²							
3	161-7881●	2.20	161-7599●	46.16	43.84	42.53	
4	161-7882●	2.82	161-7600●	58.86	55.93	54.24	
5	161-7883●	3.33	161-7601●	69.63	66.84	64.84	
7	161-7884●	4.88	161-7602●	106.61	102.35	99.28	
1mm ²	3	161-7885●	2.49	161-7603●	50.71	48.69	47.23
1mm ²	4	161-7887●	3.22	161-7604●	65.48	62.86	60.98
1mm ²	5	161-7888●	4.04	161-7605●	82.71	79.41	77.02
1mm ²	7	161-7889●	5.58	161-7607●	117.75	113.04	109.65
1.5mm ²	3	161-7890●	3.20	161-7608●	64.11	61.55	59.70
1.5mm ²	4	161-7891●	4.26	161-7609●	91.55	87.88	85.25
1.5mm ²	5	161-7892●	5.36	161-7610●	101.96	97.88	94.95
1.5mm ²	7	161-7893●	7.71	161-7611●	154.16	148.00	143.57
2.5mm ²	3	161-7894●	5.29	161-7612●	99.86	95.86	92.99
2.5mm ²	4	161-7895●	6.66	161-7613●	128.57	123.43	119.73
2.5mm ²	5	161-7896●	8.11	161-7614●	151.76	145.69	141.31

Offlex CY Internationally Approved Cable



New

ÖLFLEX® 150 CY QUATTRO cables are oil resistant control cables. Due to their construction and the composition of material, they are approved in accordance with European & US standards. For use in machine tools, conveyor lines and production lines etc. For middle mechanical abuse, fixed and flexible use or free movement without tensile load in moving cable carriers. They are to be used in dry, damp and wet rooms, but not outside. ÖLFLEX® 150 CY QUATTRO cables are oil resistant and generally resistant against acids and caustics solutions. The screen is a protection against electrical interference.

Conductor Bare copper, fine wire strand to IEC 60 228 that is VDE 0295, class 5
 Design HD 21.1351 that is VDE 0281-13, UL AWM, CSA C 22.2 No. 210.2
 Core insulation PVC compound TI2 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
 Identification HD 186 that is VDE 0293, black cores with white numbers with green/yellow ground conductor
 Inner Sheath PVC Compound TM2 to VDE 0281 pt 1, UL-Class 43 and CSA 90°C
 Screen Braided of tinned copper, coverage =85%
 Outer sheath PVC compound TM5 to HD 21.1 that is VDE 0281 part 1, UL-Class 43 and CSA 90°C
 Nominal voltage U₀/U to VDE: 300/500 V
 U to UL/CSA: 600 V
 Test voltage 3000 V AC
 Temp. range -5 to +70°C (flexing) max. conductor temperature
 -40 to +70°C (fixed) max. conductor temperature
 Min. bending radius 15 x cable diameter (flexing)
 6 x cable diameter (fixed)
 Flame retardant Vertical flame test to UL 1581 § 1061, CSA FT1, IEC 60 332.1

Industrial & Automation Cable - continued**Oilflex CY Internationally Approved Cable - continued**

515240

Continuous Length in 1m Multiples			Price Per m	30.5m Reel Price Per Reel			
CSA	No. of Cores	Order Code		Order Code	1+	5+	10+
0.75mm ²	3	161-7897●	6.10	161-7615●	137.66	132.15	128.18
0.75mm ²	4	161-7898●	6.82	161-7616●	148.05	142.13	137.86
0.75mm ²	5	161-7900●	7.66	161-7617●	161.36	154.92	150.27
0.75mm ²	7	161-7901●	8.18	161-7619●	237.14	179.65	174.26
1mm ²	3	161-7902●	5.18	161-7621●	125.32	120.30	116.70
1mm ²	4	161-7903●	7.71	161-7622●	164.68	158.09	153.35
1mm ²	5	161-7905●	8.81	161-7623●	180.09	172.89	167.70
1mm ²	7	161-7906●	11.58	161-7624●	231.63	222.37	215.70
1.5mm ²	3	161-7907●	7.98	161-7625●	167.61	160.91	156.08
1.5mm ²	4	161-7908●	8.81	161-7626●	179.41	172.23	167.07
1.5mm ²	5	161-7909●	10.27	161-7627●	211.56	203.09	197.00
1.5mm ²	7	161-7910●	11.31	161-7628●	237.69	228.18	221.34
2.5mm ²	3	161-7911●	9.79	161-7629●	206.18	197.94	192.01
2.5mm ²	4	161-7912●	12.64	161-7630●	238.81	229.27	222.39
2.5mm ²	7	161-7913●	18.66	161-7632●	373.02	358.10	347.36

Polyurethane Spiral Cable**Application**

- For extremely rough conditions and wear and tear
- As control and power cables on machines
- Machine tool manufacturing
- Machine engineering
- Apparatus engineering

Advantage

- Highly chemical-resistant to benzols, benzenes and other agents
- Resistant against microbes, hydrolysis and almost all mineral oils

1

Length of straight ends

1st end: 200mm

2nd end: 600mm

Core insulation

Core identification code

Based on

Specific insulation resistance

Conductor stranding

Rated voltage

Test voltage

Range of temperature

Special PVC P8/1

Black cores with white numbers

Core to VDE 0812/0281

Sheath to VDE 0250/0282

> 20 GΩ x cm

Fine wire to VDE 0295, Cl. 5

U0/U=300/500 V

3000 V

+5°C to +50°C

Spiral length					
Mfrs. List No.	CSA (mm ²)	No. of Cores	Extended (m)	Unextended (m)	Diameter (mm)
70002622	0.75	2	1.5	0.5	5.4
70002623	0.75	2	3.0	1.0	5.4
70002634	0.75	4	1.5	0.5	6.2
70002635	0.75	4	3.0	1.0	6.2
70002687	1.5	3	1.5	0.5	6.7
70002688	1.5	3	3.0	1.0	6.7
70002699	1.5	5	1.25	0.5	8.1
70002700	1.5	5	2.5	1.0	8.1

515256

Mfrs. List No.	Order Code	1+	5+	10+	Price Each
70002622	161-7637●	22.88	22.20	21.52	
70002623	161-7638●	33.08	32.09	31.12	
70002634	161-7639●	37.98	36.84	35.74	
70002635	161-7640●	75.62	73.36	71.16	
70002687	161-7641●	46.63	45.24	43.88	
70002688	161-7642●	81.04	78.60	76.25	
70002699	161-7644●	75.22	72.95	70.77	
70002700	161-7645●	132.94	128.95	125.07	

Data Spiral Cable

- Used wherever screened cable with smallest dimensions is required
- For measurement and controlling engineering
- Overall screening prevents interference and guarantees accurate pulse transmission
- High flexibility
- Extends up to 4 times the retracted length

Length of straight ends

1st end: 200mm

2nd end: 600mm

Conductor Stranding

Core identification code

Core insulation

Screen

Outer sheath

Rated voltage

Test voltage

Range of temperature

Superfine wire to VDE 0296 Class 6

Colour coded to DIN 47100

PVC

Copper wrapping

Wear resistant polyurethane, black

250 V (not for power applications)

1200 V

+5°C to +50°C

Spiral length					
Mfrs. List No.	CSA (mm ²)	No. of Cores	Extended (m)	Unextended (m)	Diameter (mm)
73220204	0.14	2	2.0	0.5	4
73220214	0.14	4	2.0	0.5	4.4
73220224	0.14	6	2.0	0.5	5.4
73220236	0.14	18	0.8	0.2	7.8
73220237	0.14	18	1.2	0.3	7.8
73220239	0.14	18	2.0	0.5	7.8

515262

Mfrs. List No.	Order Code	1+	5+	10+	Price Each
73220204	161-7646●	30.71	29.78	28.90	
73220214	161-7647●	31.15	30.21	29.31	
73220224	161-7648●	36.78	35.68	34.61	
73220236	161-7649●	45.53	44.17	42.84	
73220237	161-7650●	62.89	61.01	59.18	
73220239	161-7651●	76.34	74.04	71.82	

71.82

PTFE High Temperature Cables

Ölfon® PTFE



Cut Lengths Available

ÖLFON® PTFE are heat resistant insulated wires for use for wiring and connections in switch cabinets. Additional to the excellent mechanical and physical properties ÖLFON® PTFE single cores are marked through excellent electrical values, excellent oil-, weathering resistance and UV protection, high elongation and tensile strength and not flammable. ÖLFON® PTFE are resistant against water, acids, caustics solutions, synthetic liquids and oils.

Minimum bend radius (flexing) 15 x diameter
 Minimum bend radius (static) 4 x diameter
 Temperature range (flexing) to °C
 Temperature range (static) -190 to 260°C
 Working voltage Typ E : 600V, Typ EE : 1000V

490950

Continuous Length in 1m Multiples			Price Per m	50m Reel			Price Per Reel		
Cores	O/D (mm)	Order Code		Order Code	1+	5+	10+		
0.50mm²									
2	3.9	150-4158●	7.12	150-3992●	173.56	164.88	156.63		
2◆	4.1	150-4159●	8.30	150-3994●	207.21	196.85	187.01		
3◆	4.5	150-4160●	9.87	150-3995●	252.32	239.70	227.71		
0.75mm²									
2	4.2	150-4161●	7.73	150-3997●	191.00	181.45	172.37		
2◆	4.4	150-4163●	9.46	150-3998●	240.38	228.37	216.95		
3◆	5.1	150-4164●	11.23	150-3999●	291.01	276.45	262.63		
1.00mm²									
2	4.8	150-4165●	8.86	150-4000●	223.44	212.27	201.66		
2◆	5.1	150-4166●	11.86	150-4001●	309.12	293.67	278.98		
3◆	5.8	150-4167●	12.45	150-4002●	325.67	309.38	293.91		
1.50mm²									
2+E	5.5	150-4178●	12.20	150-4003●	318.64	302.71	287.57		
3+E	5.9	150-4179●	14.65	150-4004●	388.61	369.18	350.73		
4+E	7	150-4170●	19.99	150-4005●	541.39	514.32	488.59		

◆ = Plus green/yellow earthing conductor

ÖLFON® PTFE cables are screened, heat resistant cables for permanent temperatures of -190°C up to +260°C. Beside having excellent mechanical and physical properties, ÖLFON® PTFE cables also are characterised by very good electrical values, excellent chemical resistance against mostly all acids, oils and other aggressive media. The copper braiding protects against electrical interference. The PTFE outer sheath protects effectively against penetration of liquids, prevents the formation of stress cracks and is UV- and weather resistant.

Minimum bend radius (flexing) 15 x diameter
 Minimum bend radius (static) 4 x diameter
 Temperature range (flexing) to °C
 Working voltage 300/500V

490958

Continuous Length in 1m Multiples			Price Per m	50m Reel			Price Per Reel		
Cores	O/D (mm)	Order Code		Order Code	1+	5+	10+		
0.75mm²									
2+E	5.5	150-4171●	13.85	150-4006●	365.78	347.48	330.11		
3+E	5.9	150-4172●	15.80	150-4007●	421.50	400.41	380.39		
1.50mm²									
2+E	6.3	150-4173●</td							

Welding Cable

The HO1N2-D cables are for connection on arc welding machines for the transmission of high currents from the electric welding machine to the welding tool, or similar uses with high current and low voltages. They are suitable for flexible use under rugged conditions, for use in dry, damp and wet rooms or outside.

Conductor Bare copper
Design HD 22.6 S2 RESP. VDE 0282 part 6
Outer sheath Compound EM5 in acc. To VDE 0207 part 21 on separator
Nominal voltage (U/U) 100/100V
Test voltage 1000 V AC
Temp. range -25 to +80°C max. conductor temperature
Min. bending radius 12 x cable diameter
Flame retardant IEC 60332.1 resp. VDE 0482 part 265 2-1
Tests VDE 0472 and IEC 811-x-x resp. VDE 0473
Approvals HD 22.6 S2 resp. VDE 0282 part 6
EC Directive This cable conforms to ECD 73/23/EEC (low voltage directive)

515237

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Price Per Reel		
CSA	Order Code	Order Code	1+	5+	10+
16mm ²	161-7878●	161-7595●	155.43	147.66	143.22
25mm ²	161-7879●	161-7597●	189.65	179.31	176.76
35mm ²	161-7880●	161-7598●	263.06	248.31	244.35

XTRA-GUARD® Multi-Core Foil Shield


- Flexible PVC Insulation And Jacket With Overall Cable Design For Installation In C-Track Or High Flexing Applications Up To 6 Million Flex Life Cycles
- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Outstanding Oil, Solvent, Chemical And Fuel Resistance
- Perfectly Round Geometry Helps Insure A Liquid-Tight Installation Per IP-67 Or NEMA 6
- Superior Performance Against EMI/RFI When Specified With SUPRASHIELD® CONTINUOUS FLEX
- Applications include, Industrial Electronic Processing Equipment, DataComm Connections, Automation Networking, PLC, Microprocessor and Computer Interconnects, Connecting Sensors and Actuators to Controllers, Sensor and I/O Interconnects
- UL AWM Style 2661

Jacket thickness 0.25mm
Voltage rating 300V
Operating temperature 5° to +105°C

492117

30.5m Reels No. of Cores	Nominal Outside Dia. (mm)	Mfrs. List No.	Order Code	Price Per Reel/Metre		
				1+	5+	10+
28AWG						
2	4.4	86002CY	151-5165●	56.67	53.83	51.14
3	4.6	86003CY	151-5166●	61.38	58.31	55.40
4	4.8	86004CY	151-5167●	68.47	65.05	61.80
7	5.72	86007CY SL005	161-0308●	203.99	193.79	184.10
26AWG						
2	4.6	86102CY	151-5168●	59.02	56.07	53.28
3	4.7	86103CY	151-5169●	66.11	62.81	59.66
4	5	86104CY	151-5170●	80.27	76.26	72.45
5	5.3	86105CY	151-5171●	87.35	82.98	78.84
7	5.8	86107CY	151-5173●	92.08	87.48	83.09
12	7.4	86112CY	151-5174●	113.33	107.66	102.27
24AWG						
2	4.8	86202CY	151-5175●	63.74	60.55	57.54
3	5	86203CY	151-5176●	73.19	69.53	66.06
4	5.3	86204CY	151-5177●	84.99	80.74	76.72
5	5.7	86205CY	151-5178●	94.44	89.72	85.23
7	6.4	86207CY	151-5179●	101.53	96.45	91.62
12	8.1	86212CY	151-5180●	118.05	112.15	106.54
22AWG						
2	5.2	86302CY	151-5181●	68.47	65.05	61.80
3	5.4	86303CY	151-5182●	82.63	78.50	74.58
4	5.7	86304CY	151-5183●	92.08	87.48	83.09
Continuous Length in 1m Multiples						
28AWG	4.4	86002CY	151-5259●	4.12		
3	4.6	86003CY	151-5260●	4.43		
4	4.8	86004CY	151-5261●	4.98		
26AWG						
2	4.6	86102CY	151-5262●	4.28		
3	4.7	86103CY	151-5264●	4.80		
4	5	86104CY	151-5265●	5.83		
5	5.3	86105CY	151-5266●	6.34		
7	5.8	86107CY	151-5267●	6.70		
12	7.4	86112CY	151-5268●	8.24		
24AWG						
2	4.8	86202CY	151-5269●	4.64		
3	5	86203CY	151-5270●	5.31		
4	5.3	86204CY	151-5271●	6.18		

30.5m Reels No. of Cores	Nominal Outside Dia. (mm)	Mfrs. List No.	Order Code	1+	5+	10+
24AWG						
5	5.7	86205CY	151-5272●	6.87		
7	6.4	86207CY	151-5273●	7.38		
12	8.1	86212CY	151-5274●	8.58		
22AWG						
2	5.2	86302CY	151-5276●	4.98		
3	5.4	86303CY	151-5277●	6.01		
4	5.7	86304CY	151-5278●	6.70		

XTRA-GUARD® Multi-Pair Foil Shield


- Flexible PVC Insulation And Jacket With Overall Cable Design For Installation In C-Track Or High Flexing Applications Up To 6 Million Flex Life Cycles
- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Outstanding Oil, Solvent, Chemical And Fuel Resistance
- Perfectly Round Geometry Helps Insure A Liquid-Tight Installation Per IP-67 Or NEMA 6
- Superior Performance Against EMI/RFI When Specified With SUPRASHIELD® CONTINUOUS FLEX
- Applications include, Industrial Electronic Processing Equipment, DataComm Connections, Automation Networking, PLC, Microprocessor and Computer Interconnects, Connecting Sensors and Actuators to Controllers
- UL AWM Style 2661

Jacket thickness 0.25mm
Voltage rating 300V
Operating temperature 5° to +105°C

492130

30.5m Reels No. of Pairs	Nominal Outside Dia. (mm)	Mfrs. List No.	Order Code	1+	5+	10+
28AWG						
1	4.7	86401CY	151-5185●	103.88	98.69	93.75
2	5.8	86402CY	151-5186●	113.33	107.66	102.27
3	6	86403CY	151-5187●	132.21	125.60	119.32
26AWG						
1	4.9	86501CY	151-5188●	87.35	82.98	78.84
2	6.1	86502CY	151-5189●	96.80	91.96	87.36
3	6.4	86503CY	151-5190●	101.53	96.45	91.62
4	6.8	86504CY	151-5191●	118.05	112.15	106.54
5	7.3	86505CY	151-5192●	129.85	123.36	117.19
6	7.9	86506CY	151-5193●	148.74	141.31	134.24
24AWG						
1	5.1	86601CY	151-5194●	73.19	69.53	66.06
2	6.6	86602CY	151-5195●	99.16	94.20	89.49
3	6.9	86603CY	151-5197●	115.69	109.90	104.41
4	7.3	86604CY	151-5198●	129.85	123.36	117.19
5	7.8	86605CY	151-5199●	148.74	141.31	134.24
6	8.6	86606CY	151-5200●	160.55	152.52	144.89
22AWG						
1	5.4	86701CY	151-5201●	89.72	85.23	80.98
2	7.1	86702CY	151-5203●	110.96	105.41	100.14
3	7.4	86703CY	151-5204●	132.21	125.60	119.32
Continuous Length in 1m Multiples						
28AWG	4.7	86401CY	151-5279●	7.55		
2	5.8	86402CY	151-5280●	8.24		
3	6	86403CY	151-5281●	9.61		
26AWG						
1	4.9	86501CY	151-5282●	6.34		
2	6.1	86502CY	151-5283●	7.04		
3	6.4	86503CY	151-5284●	7.38		
4	6.8	86504CY	151-5285●	8.58		
5	7.3	86505CY	151-5288●	9.44		
6	7.9	86506CY	151-5289●	10.82		
24AWG						
1	5.1	86601CY	151-5290●	5.31		
2	6.6	86602CY	151-5291●	7.21		
3	6.9	86603CY	151-5292●	8.40		
4	7.3	86604CY	151-5293●	9.43		
5	7.8	86605CY	151-5294●	10.82		
6	8.6	86606CY	151-5295●	11.69		
22AWG						
1	5.4	86701CY	151-5296●	6.52		
2	7.1	86702CY	151-5297●	8.07		
3	7.4	86703CY	151-5298●	9.61		

LÜTZE SUPERFLEX IQ PUR
Polyurethane (PUR) jacketed control cables in both screened and unscreened versions. Inner conductors feature superfine Class 6 stranding giving the best performance in dynamic environments. High speed dynamic properties are enhanced by the cable construction utilising a special fleece liner. Polyurethane outer provides maximum oil resistance and mechanical protection. The overall braided screen (where provided) provides optimal EMC protection. Grey outer jacket.



Industrial & Automation Cable - continued

SuperFlex® Control Cables - continued

Minimum Bend Radius (flexing)	10x diameter - standard
Minimum Bend Radius (static)	12x diameter - screened
Temperature Range (flexing)	4x diameter - standard
Temperature Range (static)	6x diameter - screened
Working Voltage	-25 to +80°C
Test Voltage	-40 to +80°C
Conductor Identification	300 / 500V
Reel Length	1200 / 3000V
	Black with white printing, plus earth
	25m

449878

Mfrs.	Number of Conductors	Nominal Cable Diameter (mm)	Order Code	Price Per Reel
				1+ 3+
Superflex Control Cable				
110999	(5 x 1.0)	8	129-8726●	51.85 49.27
111000	(7 x 1.0)	9.3	129-8727●	71.45 67.87
101013	(12 x 1.0)	11.1	129-8728●	92.08 87.49
111002	(18 x 1.0)	14	129-8729●	157.71 149.82
111003	(25 x 1.0)	16.3	129-8730●	194.21 184.50
111007	(7 x 1.5)	10.5	129-8733●	88.38 83.95
111008	(12 x 1.5)	12.8	129-8734●	151.87 144.28
111009	(18 x 1.5)	15	129-8735●	215.38 204.62
111010	(25 x 1.5)	18.5	129-8736●	266.72 253.40
Superflex Screened Control Cable				
118813	(5 x 0.75)	9.3	129-8737●	75.14 71.39
118814	(7 x 0.75)	11.3	129-8738●	125.95 119.65
118815	(12 x 0.75)	12.8	129-8739●	152.41 144.80
118823	(5 x 1.0)	10.4	129-8740●	88.74 84.31
118824	(7 x 1.0)	11.3	129-8741●	122.78 116.64
118825	(12 x 1.0)	13.4	129-8742●	169.34 160.88

449878

SuperFlex® Servo Feedback Cables



1

UL approved halogen free feedback cables for encoder and resolver applications. Inner conductors feature superfine Class 6 stranding and special TPE insulation giving the best performance in any dynamic environment. High speed dynamic properties are enhanced by the cable construction utilising a special fleece liner. The cable features a tough polyurethane (PUR) outer jacket coloured green according to the Desina standard.

Minimum Bend Radius (flexing)	10x diameter	Working Voltage	250V
Minimum Bend Radius (static)	6x diameter	Test Voltage	500V
Temperature Range (flexing)	-20 to +80°C	Conductor Identification	Colour Coding to DIN47100
Temperature Range (static)	-40 to +80°C	Reel Length	25m

449880

Mfrs.	Number of Conductors	Nominal Cable Diameter (mm)	Order Code	Price Per Reel
				1+ 3+
111457	(2 x 0.5+3 x (2 x 0.14))	8.7	129-8711●	137.06 130.22
111459	(2 x 0.5+3 x (2 x 0.14)) +4 x 0.23+4 x 0.14)	10.3	129-8712●	105.31 100.05

449880

SuperFlex® Sensor Cables



Polyurethane (PUR) sensor cables colour coded according to the industry standard colours for sensor cables. Suitable for connecting sensors to control systems or for making up extension leads whilst maintaining the correct colour coding sequence. Grey outer jacket.

Minimum Bend Radius (flexing)	10x diameter	Working Voltage	300V
Minimum Bend Radius (static)	4x diameter	Test Voltage	1200V
Temperature Range (flexing)	-25 to +80°C	Conductor Identification	Brown, White, Blue, Black (G/Y)
Temperature Range (static)	-40 to +80°C	Reel Length	25m

449883

Mfrs.	Number of Conductors	Nominal Cable Diameter (mm)	Order Code	Price Per Reel
				1+ 3+
117305	(4 x 0.34)	4.1	129-8747●	33.32 31.76
117306	(5 x 0.34)	4.5	129-8748●	48.38 44.95

449883

Unitronic® Bus Cable



- Plain copper braid screen
- Sheathed overall in Violet polyurethane (RAL4001)
- Halogen-free, flame retardant to VDE0472 pt 804
- Conforms to DIN19258/EN50254
- Applications include power chain, moving machinery and robotics

Nom. outside diameter	8.1mm	Min. bending radius	121.5mm
Construction	3 pairs x 0.25mm ²	Max. operating voltage	250V
Characteristic impedance	100Ω	Operating temperature	-30°C to +70°C
Mutual capacitance	60pF/m	Nominal weight	64g/m

208334

Continuous Length in 1m Multiples

Mfrs.	Order Code	1+	10+	50+
2170216T	117-8858●	5.83	4.09	2.41

Unitronic® BUS L2/FIP



UNITRONIC® BUS L2/FIP is a data cable for field bus systems incorporating F.I.P. (Factory Instrumentation Protocol) as well as for high performance data networks with 150Ω nominal impedance. The cable is designed for system-defined transmission rates of 1.5 Mbit/s, 2.5 Mbit/s and 12 Mbit/s, the transmission characteristics guarantee high operating performance during data transmission. It is suitable for RS 422 and RS 485 interfaces. The cable is intended for permanent installation in dry or damp interiors. Due to its double screening it is suitable for installation in electromagnetically demanding areas.

- Single wire copper conductor, 0.64mm (22AWG)
- Operating temperature -40°C to 80°C max
- Braiding of tinned copper wire
- Flame retardant PVC insulation (Violet)
- Twisting : 2 cores together with 2 fillers (core-filler-core-filler)
- Flame retardant to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. nF/km)	Impedance at 3 to 20MHz	Line attenuation at 9.6 kHz nom. 4 MHz nom. 16 MHz nom.
0.64mm ²	115	30	150Ω ±15Ω	0.25dB/100m 2.2dB/100m 4.2dB/100m

449164

100m Reels	Mfrs. List No.	Order Code	Price Per Reel/Metre
			1+ 5+ 10+
2170220		128-5869●	133.36 128.03 120.98
Continuous Length in 1m Multiples		149-1535●	2.99



UNITRONIC® Profibus DP L2/FIP is a halogen free data cable for field bus systems incorporating F.I.P. (Factory Instrumentation Protocol) as well as for high performance data networks with 150Ω nominal impedance. The cable is designed for system-defined transmission rates of 1.5 Mbit/s, 2.5 Mbit/s and 12 Mbit/s, the transmission characteristics guarantee high operating performance during data transmission.

The cable is intended for permanent installation in dry or damp interiors. Due to its double screening it is suitable for installation in electromagnetically demanding areas.

- 7 wired stranded bare copper conductor, 0.22mm² (24AWG), 7x0.2mm
- Braiding of tinned copper wire
- Twisting : 2 cores together with 2 fillers (core-filler-core-filler)
- Operating temperature -40°C to 80°C max
- Halogen free flame retardant insulation (Violet)
- Flame retardant to VDE 0482, part 265-2-1/IEC 60 332-1

Size (CSA)	Loop resistance Max.Ω/km	Mutual capacitance (Nom. nF/km)	Impedance at 3 to 20MHz	Line attenuation at 9.6 kHz nom. 4 MHz nom. 16 MHz nom.
0.64mm ²	186	28	150Ω ±15Ω	0.3dB/100m 2.5dB/100m 4.9dB/100m

449166

100m Reels	Mfrs. List No.	Order Code	Price Per Reel/Metre
			1+ 5+ 10+
2170226		128-5870●	237.73 220.14 208.01
Continuous Length in 1m Multiples		149-1536●	5.81



BUS DeviceNet Thick + Thin PVC UL/CSA



DeviceNet™ connects industrial devices e.g. limit switches, photoelectric switches, variable frequency drives, valve islands, motor starters, PLCs, etc..

Based on proven CAN (Controller Area Network) technology. Permissible cable lengths vary with the data rate and the cable thickness.

Data Rate	Cable Thickness
125 kbit/s	Thin 100m
250 kbit/s	100m
500 kbit/s	100m

- | Identification | Data pair: light blue + white |
|--------------------------|------------------------------------|
| Peak working voltage | Power supply: red + black |
| Capacitance | 300 V (not for power applications) |
| Conductor resistance | 39.8 nF/km max. (800Hz) |
| Impedance | Thick (loop): 45Ω/km max. |
| Test voltage (core/core) | Thin (loop): 180Ω/km max. |
| Temp. range | -20 to +80°C |
| Min. bending radius | 20 x cable diameter (multiple) |
| Flame retardant | 7.5 x cable diameter (single) |

Continuous Length in 1m Multiples	Price Per Metre	30.5m Reel Price Per Reel
Cable Make-up		
2 x 18 AWG + 2 x 15 AWG (Thick)	161-7914●	13.93
2 x 24 AWG + 2 x 22 AWG (Thin)	161-7915●	7.67
	Order Code	1+ 5+ 10+
	161-7933●	299.41
	161-7934●	202.56
	161-7935●	194.46
		188.63

515242



**BUS DeviceNet FB Thick + Thin PVC
UL/CSA**
LAPP CABLE**New**

DeviceNet™ connects industrial devices e.g. limit switches, photoelectric switches, variable frequency drives, valve islands, motor starters, PLCs, etc.. Based on proven CAN (Controller Area Network) technology. Permissible cable lengths vary with the data rate and the cable thickness.

Data Rate	Cable Thickness	
125 kbit/s	Thin 100m	Thick 500m
250 kbit/s	100m	250m
500 kbit/s	100m	100m
Identification		
Peak working voltage	Data pair: light blue + white	
Capacitance	Power supply: red + black	
Conductor resistance	300 v (not for power applications)	
Impedance	39.8 nF/km max. (800Hz)	
Test voltage (core/core)	Thick (loop): 45Ω/km max.	
Temp. range	Thin (loop): 180Ω/km max.	
Min. bending radius	120Ω	
Flame retardant	2000 V	
	-40 to +80°C	
	15 x cable diameter (fixed)	
	15 x cable diameter (flexing)	
	UL 1581, Sec. 1080 (VW-1)	

515250

Continuous Length in 1m Multiples	Price Per m	30.5m Reel Price Per Reel
Cable Make-up	Order Code	Order Code 1+ 5+ 10+
2 x 18 AWG + 2 x 15 AWG (Thick)	161-7917●	14.74 316.51 303.85 294.74
2 x 24 AWG + 2 x 22 AWG (Thin)	161-7918●	9.03 161-7635● 232.61 223.31 216.61

DataBus® ISA/SP-50 Fieldbus/ PROFIBUS Cable

3076F Paired

BELDEN

- 18 AWG stranded (7x26) tinned copper conductors
- Polyolefin insulation

Nominal outside diameter	6.43mm	Max operating voltage	300V rms
Capacitance	24.0pF/ft	Velocity of propagation	66%
Operating temperature	-30°C to +105°C		
478508			
Reel Size	Order Code	Price Per Reel	
152.4m	142-3242●	212.91 206.52 200.32	

DataBus® ISA/SP-50 PROFIBUS Cable

3079A Paired

BELDEN

Nominal capacitance	27.9pF/m	Nominal impedance	150Ω
Velocity of propagation	78%		
477839			
Order Code	Reel Size	Price Per Reel	
142-3243●	304.8m	780.70 757.27 734.24	

Coaxial Cable
**RG6
433945**
BELDEN

- Analogue/Video CCTV
- Indoor

Nominal outside diameter	6.75mm	Attenuation per 100m	2.10dB @ 10MHz
Capacitance	53.4pF/m		6.56dB @ 100MHz
Operating temperature	-30°C to +70°C		13.8dB @ 400MHz
Max operating voltage	300V rms	Velocity of propagation	83%

478345

Reel Size	Order Code	Price Per Reel
100m	142-3220●	74.49 72.25 69.78

CCTV Cable

533945

BELDEN

SENDING ALL THE BRIGHT SIGNALS



- RG6/U Coaxial Cable
- 18 AWG Bare copper conductor
- Foam polyolefin insulation

Bare copper braid shield	6.76mm	Attenuation per 100ft	0.72dB @ 10MHz
Sequential footage marking every two feet	16.3pF/ft		2.0dB @ 100MHz
Capacitance (Core-Screen)	-40°C to +75°C		4.2dB @ 400MHz
Operating temperature	300V rms	Velocity of propagation	83%

478389

Reel Size	Order Code	Price Per Reel
152.4m	142-3266●	107.29 104.08 100.95

Composite CCTV and Audio/Power Cable

539945

BELDEN

SENDING ALL THE BRIGHT SIGNALS



- RG6/U and Twisted Pair Composite Cable
- 18 AWG Bare copper conductor
- Foam polyolefin insulation
- Bare copper braid shield

Bare copper braid shield	6.75mm x 12.7mm	Attenuation per 100ft	0.64dB @ 10MHz
Sequential footage marking every two feet	16.3pF/ft		2.1dB @ 100MHz
Capacitance (Core-Screen)	-35°C to +80°C		4.3dB @ 400MHz
Operating temperature	300V rms	Velocity of propagation	83%

478379

Reel Size	Order Code	Price Per Reel
152.4m	142-3267●	197.36 191.43 185.68

RG6/U Coax Cable
pro-POWER**New**

- Conductor: Copper Clad Steel
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor 1 / 1.0mm	Outer Diameter 6.6mm	Impedance 75Ω
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523720

Order Code	Reel Size	Price Per Reel
164-3734●	100m	22.53 21.86 21.20

202820

RG 59/U, RG6/U Precision Video Digital Analogue 75Ω
BELDEN

SENDING ALL THE BRIGHT SIGNALS



- 20AWG (solid) bare copper conductor
- RG59/U, RG6/U (18AWG)
- Duofoil® screened giving 95% + coverage
- Tinned copper braid shield 100% coverage

- Gas injected foam polyethylene dielectric
- Black PVC jacket
- High quality applications, live broadcast, network studios, pre and post-production facilities where a superior signal integrity is required
- 1505F is a exceptionally flexible version of 1505A

Cut Lengths Available

RG59U	RG6/U	Nominal Attenuation per 100m (1505A) RG59/U	(1505A) RG6/U
Nominal outside diameter	5.92mm	0.98dB @ 1MHz	0.79dB @ 1MHz
Nominal resistance/km (core)	32.8Ω	2.95dB @ 10MHz	2.4dB @ 10MHz
Velocity of propagation	83%	8.9dB @ 135MHz	6.9dB @ 135MHz
Nominal Impedance	75Ω	14.4dB @ 360MHz	11.3dB @ 360MHz
Nominal Capacitance	53.1pF/m	20.1dB @ 720MHz	16.2dB @ 720MHz
	53pF/m	24.92dB @ 1000MHz	19.3dB @ 1000MHz

202820

Belden No.	Order Code	Price Per Reel
305m Boxed Reel		
1505A	RG59/U	432.66 421.27
1694	RG6/U	638.21 584.80
152.5m Boxed Reel		
1694A	RG6/U	266.43 247.52
1694A	RG59/U	3.26 --
1505A	RG59/U	3.98 --

Farnell**RoHS Compliant****Non-compliant****08447 11 11 11****Fax: 08447 11 11 12**

Coaxial Cable - continued**9913F - Transmission Cable RG-8/U 50Ω**

- 10 AWG (7/19AWG) bare copper wire
- Foam polyethylene insulation
- Duobond™ II 90%+ French braid, providing 100% coverage

- Sheathed overall in matt Black Belflex™ jacket
- Flexible stranded transmission cable typically used for high and low power RF connections. e.g. radio, antenna, microwave, transmitter and receiver applications. Excellent mechanical properties

Nominal outside diameter 10.29mm Attenuation per 100m 4.92dB @ 100MHz,
Capacitance 73.8pF/m 9.84dB @ 400MHz, 16.4dB @ 1GHz,
Velocity of propagation 84% 39.7dB @ 4GHz
Nominal Impedance 50Ω

208233

Belden No.	Reel Length	Order Code	1+	Price Per Reel/Metre	5+	10+	25+
9913F	30.5m	593-576●	290.25	268.89	247.64	214.92	
Continuous Length in 1m Multiples							
9913F	121-8665●		5.75				

RG11/U Coax Cable

- Conductor: Copper
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor 1 / 1.63mm	Outer Diameter 10.1mm	Impedance 75Ω
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523721

Order Code	Reel Size	1+	Price Per Reel	5+	10+
164-3736●	100m	96.32	93.44	90.64	

8213 - RG11/U Type Coaxial 75Ω

- Foam polyethylene insulated 14AWG (1/1.63mm) plain solid copper conductor shielded in plain copper braid
- Sheathed overall in Black PVC

Nominal outside diameter 10.29mm Velocity of propagation 84%
Capacitance 52.8pF/m Attenuation per 100m 1.3dB @ 10MHz
Operating temperature -55°C to +80°C 4.3dB @ 100MHz
Max operating voltage 600V rms 9.5dB @ 400MHz

208066

152.5m Reel	Order Code	1+	Price Per Reel/Metre	5+	10+	25+
Belden No.						
Continuous Length in 1m Multiples						
8213	118-2077●	361.39	348.36	339.20	330.50	

9222 Computer Triax RG58 A/U

- 20AWG (7/28 AWG) tinned copper conductor

- 2 tinned copper shields 96% coverage each, separated by layer of polyethylene
- Sheathed overall in Yellow PVC jacket

Nominal outside diameter	6.1mm	Nominal attenuation 100m	1.6dB @ 1MHz
Core diameter	0.94mm		4.9dB @ 10MHz
Nominal Impedance	50Ω		16.1dB @ 100MHz
Nominal Velocity of propagation	66%		39.4dB @ 400MHz
Nominal Capacitance	101pF/m		78.7dB @ 1GHz

Note: Reel length with U - prefix indicates supplied in UNReel® dispenser box

208229

Belden No.	Reel Length	Order Code	1+	Price Per Reel/Metre	5+	10+	25+
9222	30.5m	118-2133●	129.07	121.36	113.37	107.33	
Continuous Length in 1m Multiples							
9222	385-4723●		3.79				

RG58A/U Coaxial Cable

Conductors	19 / 0.18mm Tinned Copper	O/D	4.95mm
Dielectric	PE	Sheath	PVC
Screen	16 x 2 / 0.12mm Tinned Copper	Reel	100m
Colour	Black		

524043

Order Code	1+	Price Per Reel		
		5+	10+	20+
165-0602●	40.27	39.06	37.90	

RG58BU/CU - 50Ω

- Solid polyethylene insulated 1/0.8mm copper clad steel conductor (RG58BU)
- Braid screen
- Black PVC sheathed overall to MIL-C17D

Nominal outside diameter	4.95mm	Maximum RF working voltage	KV2.5 peak
Capacitance	100pF/m	Nominal attenuation (100m)	1.7dB @ 100MHz,
Maximum voltage	15kVdc		5.6dB @ 1000MHz,

219627

50m Reel	Order Code	1+	5+	10+	15+	20+
RG58BU	120-2663●	23.93	22.62	22.15	18.33	17.95
100M Reel	120-2665●	44.95	43.83	42.97	36.17	35.38
500M Reel	120-2666●	184.61	178.09	174.53		
Continuous Length in 1m Multiples						
RG58BU	144-0543●	0.67				

RG58CU 50Ω

- High quality RG58 cable
- 19/0.18mm stranded tinned copper conductor

Capacitance	100pF	Outer Diameter	4.95mm	Impedance	50Ω
Nominal outside diameter					

232150

100m Reel	Order Code	1+	5+	10+	15+	20+
Colour	Black	59.07	51.68	43.86	34.18	28.22

RG58C/U

- Braid of copper shield (0.12mm)
- Operating temperature: -25 to 75°C

Capacitance	106pF/m	Conductor	19/0.2mm	Outer Diameter	4.95mm	Impedance	50Ω
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337496

Reel size	Order Code	1+	3+
100m	121-7830●	66.27	62.97
Continuous Length in 1m Multiples			
149-1573●		1.60	

RG58C/U LSF

- Flame retardant, halogen free jacket
- Braid of tinned copper shield (0.12mm)
- Operating temperature: -25 to 75°C

Capacitance	106pF/m	Conductor	19/0.2mm	Outer Diameter	4.95mm	Impedance	50Ω
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337289

Reel Size	Order Code	1+	3+
100m	121-7828●	73.67	69.37
500m	121-7829●	332.54	320.81
Continuous Length in 1m Multiples			
149-1574●		1.79	

RG58C/U LSF

- Application: Coaxial communication cable based on MIL-C-17
- Conductor: Stranded Tinned Copper

Nominal outside diameter	4.95mm	Attenuation per 100m	4.5dB @ 10MHz
Capacitance	100pF/m		22.0dB @ 200MHz
Operating temperature	-15°C to +70°C		32.0dB @ 400MHz
Max operating voltage	2000V rms	Velocity of propagation	66%

66%

Reel Size	Order Code	1+	5+	10+
100m	142-3324●	111.93	108.56	105.31
500m	142-3325●	491.00	476.26	461.97

50Ω Transmission Cable

MRG5800

**BELDEN**
SENDING ALL THE RIGHT SIGNALS

- Conductor: Tinned Copper
- Dielectric: Polyethylene

- Shield: Tinned Copper Braid
- Jacket: Polyvinyl Chloride

Transmission cable is used for low and high power radio frequency (RF) connections. Examples include radio antenna tower connections, CB and cellular phone antenna connections and microwave transmitter and receiver applications.

Nominal outside diameter	4.95mm	15.1dB @ 100MHz
Capacitance	100pF/m	30.7dB @ 400MHz
Operating temperature	-15°C to +70°C	Velocity of propagation
Attenuation per 100m	3.3dB @ 5MHz	66%

Reel Size	Order Code	1+	5+	10+
100m	142-3314●	87.13	84.53	81.99
500m	142-3315●	382.26	370.78	359.66

See our range of **Cable Clips** on page 104**RG59/U****BELDEN**
SENDING ALL THE RIGHT SIGNALS

- Shield: Bare Copper Braid
- Jacket: Grey FRNC

Nominal outside diameter	5.9mm	Attenuation per 100m	2.95dB @ 10MHz
Capacitance	53.5pF/m	8.53dB @ 100MHz	8.53dB @ 100MHz
Operating temperature	-30°C to +70°C	16.4dB @ 400MHz	16.4dB @ 400MHz
Max operating voltage	2500V dc rms	Velocity of propagation	83%

100m Reel	Order Code	1+	5+	10+
Colour Grey	142-3244●	67.81	65.77	63.78

RG59/U Coaxial Cable**SPC pro-POWER****New**

Conductors	1 / 0.643mm Bare Copper
Dielectric	PE
Screen	16 x 7 / 0.16mm Bare Copper
Colour	Black

524048

Order Code	1+	5+	10+
165-0603●	96.42	93.53	90.72

RG59 LSF**BELDEN**
SENDING ALL THE RIGHT SIGNALS

- Dielectric: Solid Polyethylene
- Shield: Annealed Copper
- Jacket: LSOH according the European Standard HD 624

Coaxial cables used in cabled distribution networks designed according the European Standard EN 50117 operating at frequencies between 5 MHz and 860 MHz and the International Standard IEC 1196

Nominal outside diameter	6.15mm
Capacitance	67pF/m
Operating temperature	-15°C to +70°C
Max operating voltage	2000V rms
Attenuation per 100m	2.9dB @ 5MHz
	25.0dB @ 400MHz
Velocity of propagation	42.9dB @ 1000MHz

478293

Reel Size	Order Code	1+	5+	10+
100m	142-3326●	115.61	112.13	108.77

RG59/U Analogue Video Cable (8241)**BELDEN**
SENDING ALL THE RIGHT SIGNALS**Cut Lengths Available**

- Standard analogue coax cable in various colours
- Applications include video equipment, CCTV or TV hook-ups

- UL 1354 Recognised

Belden Number	Impedance	CSA	Nominal Outside Dia
8241	75Ω	23 AWG (Solid)	6.15mm

338202

Colour	Reel Size	Order Code	Price Per Reel/Metre
Black	152.4m (500ft)	491-4028●	196.63
Black	Continuous Length in 1m Multiples	149-1563●	2.64

BELDEN
SENDING ALL THE RIGHT SIGNALS**Cut Lengths Available****RG59/U Video Coax Cable (9259)**

- Stranded conductor for improved flexibility
- Ideal for application where additional or constant movement is required

A/V Coaxial Cable**SPC pro-POWER****New**

Reel Size	Order Code	1+	3+
152.4m (500ft)	491-3851●	297.91	291.96
Continuous Length in 1m Multiples	149-1565●	2.80	

524039

Colour	Order Code	1+	5+	10+
Blue	165-0600●	114.77	111.32	107.98
Black	165-0601●	114.77	111.32	107.98

232148

RG59BU 75Ω**SPC pro-POWER**

Capacitance	67pF
Nominal outside diameter	6mm
Conductors	39 / 0.1mm Bare Copper
Screen	16 x 9 / 0.1mm Bare Copper
O/D	6mm

New**Cut Lengths Available**

- High quality RG59 coaxial
- 0.58mm copper covered steel
- Solid polyethylene dielectric
- 90% plain copper braid coverage and insulated in Black PVC

100m Reel	Order Code	1+	5+	10+	15+	20+
Colour Black	378-8155	38.13	36.40	34.42	31.26	29.57

219629

RG59BU 75Ω**SPC pro-POWER****Cut Lengths Available**

Nominal outside diameter	6.15mm
Capacitance	68pF/m
Max. RF working voltage	3.5kV peak
Attenuation per 10m	1.3dB @ 100MHz
	1.9dB @ 200MHz
	4.6dB @ 1000MHz

100m Reel	Order Code	1+	5+	10+	15+	20+
Colour Black	120-2739●	44.99	43.96	43.08	39.70	38.81
Continuous Length in 1m Multiples	138-7709●	1.00				

Coaxial Cable - continued

RG59B/U Coax Cable




- Conductor: Copper Clad Steel
- Dielectric: Foamed Polyethylene
- Jacket: Black PVC

Conductor 1 / 0.65mm	Outer Diameter 6.5mm	Impedance 75Ω
523722		

Order Code	Reel Size	1+	5+	10+
164-3737●	100m	41.18	39.94	38.74

RG59B/U

- Good resistance to flame NFC 32070/C2 (CEI 332-1&2)
- Available in black or white PVC jacket
- Continuous working voltage: 1700 volts

Suitable for high frequency connections.

Capacitance <72.2pF/m	Conductor 1/0.58mm	Outer Diameter 6.15mm	Impedance 75Ω
337500			

Colour	Reel Size	Order Code	1+	3+
Black	100m	121-7839●	59.21	55.42
White	100m	121-7841●	74.02	69.26
Continuous Length in 1m Multiples		149-1577●	1.37	

RG59B/U LSF



Suitable for high frequency connections.

- Good resistance to flame NFC 32070/C2 (CEI 332-1&2)
- Continuous working voltage: 1700 volts
- Maximal operating frequency: 1 GHz

Capacitance <72.2pF/m	Conductor 1/0.58mm	Outer Diameter 6.15mm	Impedance 75Ω
337497			

Reel Size	Order Code	1+	3+
100m	121-7832●	95.12	91.27
Continuous Length in 1m Multiples	149-1580●	2.03	

RG59B/U LSF Coaxial Cable



● Suitable for data transmission and with CCTV equipment	● Solid PE dielectric
● CCS conductor	● Braid coverage 80%
● 16/7/0.11mm copper braid	● LSF sheath
Attenuation 100MHz (per 10m)	Insulation thickness
Attenuation 400MHz (per 10m)	Impedance
Attenuation 1000MHz (per 10m)	Velocity ratio %
Outside Ø	66.7
Dielectric thickness	Rated Voltage
Insulation diameter	30V
	Rated temperature
	70°
	473961/479186

Order Code	1+	3+
139-0059●	29.49	27.11

RG59/U Sub-Miniature



1865A



- 25 AWG Stranded (19x37) .53mm bare copper conductor
- Gas-injected foam HDPE insulation

- Duofoil® + tinned copper braid shield (95% coverage)
- PVC jacket
- Sold in 304.8m reels
- UL1666

Nominal outside diameter	3.81mm	Attenuation per 100m	5.2dB @ 10MHz
Capacitance	54.1pF/m		14.4dB @ 100MHz
Operating temperature	-40°C to +75°C		45.6dB @ 1000MHz
Max operating voltage	300V rms	Velocity of propagation	82%

478350

Colour	Order Code	1+	5+	10+
Blue	142-3236●	366.17	355.17	344.30
Black	142-3237●	366.17	355.17	344.30

SENDING ALL THE RIGHT SIGNALS

RG59 Miniature



- Conductor: Copper Clad Steel
- Dielectric: Foam Polyethylene
- Shield: Bare Copper Braid
- Jacket: PVC according the European Standard HD 624

Nominal outside diameter	4.15mm	Attenuation per 100m	4dB @ 10MHz
Capacitance	54pF/m		14dB @ 200MHz
Operating temperature	-30°C to +70°C		20dB @ 400MHz

478263

Reel Size	Order Code	1+	5+	10+
100m	142-3304●	78.16	75.83	73.53

Cut Lengths Available

RG59 Miniature



- Good resistance to flame NFC 32070/C2 (CEI 332-1&2)
- Continuous working voltage: 1700 volts
- Bare copper braid shield
- PVC jacket
- Operating temperature: -20 to 80°C

Capacitance	51pF/m	Conductor	1/0.64mm
		Outer Diameter	3.7mm

337803

Reel Size	Order Code	1+	3+
100m	121-7836●	64.40	61.73
Continuous Length in 1m Multiples	149-1575●	1.58	

Mini RG59 Coaxial Cable



- 1/0.64mm CCS conductor
- 16/4/0.12mm tinned copper braid with AL Foil
- Solid PE dielectric
- Braid coverage 83%
- PVC sheath
- Supplied on 100m reels

Attenuation 10MHz	0.37dB	Insulation	PVC
Attenuation 100MHz	1.200dB	Rated Voltage	30V
Impedance	75Ω (±3)	Capacitance (pF/m)	56.5
Conductor	1/0.41mm	Velocity ratio %	81

473956/479184

Order Code	1+	3+
139-0056●	17.61	16.66

RG59 Twin PVC



- Conductor: Copper clad steel
- Dielectric: Solid PE
- Shield: Annealed copper
- Jacket: PVC according the European Standard HD 624

Applications: Coaxial cables used in cabled distribution networks designed according the European Standard EN 50117 operating at frequencies between 5 MHz and 860 MHz and the International Standard IEC 1196

Nominal outside diameter	6.25mm x 12.5mm	Attenuation per 100m	11.6dB @ 10MHz
Capacitance	67pF/m		25.0dB @ 400MHz
Operating temperature	-15°C to +70°C		42.9dB @ 1000MHz
Max operating voltage	2000V rms	Velocity of propagation	66%

478434

Reel Size	Order Code	1+	5+	10+
100m	142-3316●	185.78	180.20	174.78

Over 480,000 products online



RG59B/U Twin Coaxial Cable

● 2 x RG59BU coaxial cables laid side by side in a fig 8 construction	● CCS conductor	● Braid coverage 80%
● Suitable for data transmission and with CCTV equipment	● PVC sheath	● Supplied on 100m reels
● CCS conductor	● 16/7/0.11mm copper braid	
● Solid PE dielectric		
Attenuation 10MHz (per 10m)	0.37dB	Dielectric thickness 1.56mm
Attenuation 100MHz (per 10m)	1.20dB	Insulation thickness 0.80mm
Outside Ø	6.15mm x 2	Insulation Ø 3.70mm (± 0.03 mm)

473959/479187

Nominal outside diameter	6.89mm x 11.68mm	Attenuation per 100ft	0.90dB @ 10MHz
Capacitance (Core-Screen)	16.3pF/ft	2.60dB @ 100MHz	2.60dB @ 100MHz
Operating temperature	-30°C to +80°C	5.00dB @ 400MHz	5.00dB @ 400MHz
Max operating voltage	300V rms	Velocity of propagation	83%

478383

Reel Size	Order Code	1+	5+	10+
152.4m	142-3269●	164.76	159.80	155.01

RG59B/U TWIN

- Twin RG59B/U coaxial cables bonded to form a figure of eight
- Good resistance to flame NFC 32070/C2 (CEI 332-1&2)
- Continuous working voltage: 1700 volts
- Maximal operating frequency: 1 GHz
- Single braid bare copper shield
- Operating temperature: -40 to 85°C

Capacitance	Conductor	Outer Diameter	Impedance
<72.2pF/m	1/0.58mm	6.15mm	75Ω

337499

Reel Size	Order Code	1+	3+
100m	121-7838●	261.95	251.12
Continuous Length in 1m Multiples	149-1576●	3.91	

RG62A/U

Suitable for use with data processing and information systems.

- Single braid bare copper screen
- PVC outer jacket

Capacitance	Conductor	Outer Diameter	Impedance
<47.6pF/m	1/0.64mm	6.15mm	93Ω

337501

Reel Size	Order Code	1+	3+
100m	121-7843●	98.03	93.59
500m	121-7844●	439.84	417.84
Continuous Length in 1m Multiples	149-1582●	1.93	

RG142

Suitable for high frequency connections operating at high temperature, or on equipment expected to work under severe conditions without failure.

- Good resistance to flame NFC 32070/C1 & C2 (CEI 332-1)
- 1x0.94 solid, silver plated copper clad steel conductor
- Maximum operating frequency: 3 GHz
- PTFE insulator, double braided screen and glass fiber jacket
- Operating temperature: -90 to 250°C
- Good resistance to aircraft fluids

Capacitance	Conductor	Outer Diameter	Impedance
<105pF/m	0.94mm²	5.1mm	50Ω

337282

Reel Size	Order Code	1+	3+
25m	121-7818●	208.76	199.06
Continuous Length in 1m Multiples	149-1569●	16.57	

RG142B/U

- 50Ω Coaxial cable
- Conductor: Silver Plated Copper
- Dielectric: Solid PTFE
- Shield: Silver Plated Copper Braid
- Jacket: FEP
- MIL-C-17/158A-00001

Nominal outside diameter	4.95mm	Max operating voltage	1400V rms
Capacitance	105pF/m	Attenuation per 100m	38.3dB @ 400MHz
Operating temperature	-55°C to +200°C		

478191

Reel Size	Order Code	1+	3+
25m	142-3292●	162.59	154.46
100m	142-3293●	577.59	548.70

Composite CCTV Cable plus Audio/Pan And Tilt

449945



Cable Group 1 - Video RG 59/U Coax, 20 AWG (solid) Bare Copper
Cable Group 2 - Control 1 Pair, Shielded, Stranded Bare Copper

477881

Composite CCTV Cable

439945



- Foam polyolefin insulation
- Bare copper braid shield
- FRNC jacket
- CCTV plus Audio, Pan and Tilt CCTV Control
- Suitability: Indoor, Outdoor and Aerial
- RG59/U and Twisted pair Composite Cable
- 18 AWG Bare copper conductor

Cable Group 1 - Video RG 59/U Coax, 18 AWG (solid) Bare Copper
Cable Group 2 - Control 1 Pair, Shielded, Stranded Bare Copper

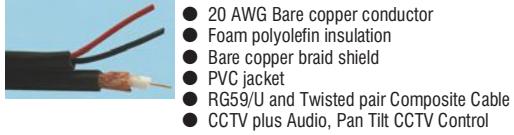
477881

Nominal outside diameter	6.8mm x 12.7mm	Attenuation per 100m	2.10dB @ 10MHz
Capacitance (Core-Screen)	53.4pF/m	6.89dB @ 100MHz	
Operating temperature	-30°C to +70°C	14.1dB @ 400MHz	
Max operating voltage	300V rms	Velocity of propagation	83%

Reel Size	Order Code	1+	5+	10+
100m	142-3287●	137.35	133.25	129.23

Composite CCTV and Audio/Power Cable

549945



- 20 AWG Bare copper conductor
- Foam polyolefin insulation
- Bare copper braid shield
- PVC jacket
- RG59/U and Twisted pair Composite Cable
- CCTV plus Audio, Pan Tilt CCTV Control

Coaxial Cable - continued

RG174AU 50Ω



- Solid polyethylene insulated 7/34 AWG copper covered steel conductors
- Braid screened
- Black PVC sheathed overall to MIL-C17
- Use with SMB, SMC and MCX connectors.

Nominal outside diameter 2.8mm Maximum RF working voltage 2.1kV peak
 Capacitance 101pF/m Nominal attenuation (100m) 57.5dB @ 400MHz,
 Max. voltage (core to screen) 6kV dc
 (screen to sheath outer) 2.8kV dc

208356

Colour	Reel Length	Order Code	1+	5+	10+	15+	20+	Price Per Reel
Black	50m	120-2736●	19.90	19.37	18.98	17.03	16.21	
Black	100m	120-2737●	39.70	38.62	37.84	33.35	31.61	
Black	500m	120-2738●	193.13	176.49	169.43			
Black	Continuous Length in 1m Multiples	138-7745●	0.65	--	--	--	--	

RG174/U



Coaxial cable ideal for data communications and LAN applications.

- Inner Conductor: Copper Coated Steel
- Dielectric: Solid Polyethylene
- Shield: Tinned Copper Braid
- Jacket: Black PVC

Capacitance 102pF/m Conductor 7/34AWG (7/0.16mm) Outer Diameter 2.54mm Impedance 50Ω

450464

Reel Size	Order Code	1+	5+	Price Per Reel
30.5m	130-2764●	25.88	23.54	
304.8m	130-2765●	160.78	151.94	

RG178B/U



- 50Ω Radio frequency
- MIL-C-17/169
- Conductor: Silver Plated Copper
- Dielectric: TFE Teflon®
- Shield: Silver Plated Copper Braid
- Jacket: FEP

Nominal outside diameter 1.8mm Attenuation per 100m 46dB @ 100MHz
 Capacitance 105pF/m 92dB @ 400MHz
 Operating temperature -55°C to +200°C 151dB @ 1000MHz
 Max operating voltage 750V rms

478246

Reel Size	Order Code	1+	3+	Price Per Reel
25m	142-3308●	41.43	40.17	
100m	142-3309●	142.47	138.21	

RG178 PE



- Shield:Tinned Copper
- Jacket: PVC according the European Standard HD 624
- MIL-C-17

Nominal outside diameter 1.8mm Attenuation per 100m 19dB @ 10MHz
 Capacitance 100pF/m 63dB @ 200MHz
 Operating temperature -25°C to +70°C 92dB @ 400MHz
 Max operating voltage 600V rms Velocity of propagation 66%

478228

Reel Size	Order Code	1+	5+	10+	Price Per Reel
50m	142-3298●	41.69	40.44	39.21	
100m	142-3299●	71.22	69.09	67.48	

RG178BU



- Ideal for high frequency interconnections between PCB in Telecommunication equipment's.
- Continuous working voltage: 750 volts
 - Very good resistance to solvents
 - Maximal operating frequency: 3 GHz
 - Very good resistance to soldering operations
 - Single braid silver plated copper screen
 - Brown FEP jacket
 - Operating temperature: -90 to 200°C (PTFE)

Capacitance 95pF/m Conductor 7x0.10mm Outer Diameter 1.8mm Impedance 50Ω

337283

Reel Size	Order Code	1+	Price/Reel
100m	121-7819●	135.99	3+
25m	121-7820●	38.39	127.45

Halogen Free Coax 178

**Cut Lengths Available**

- RG-178 alternative coax offered with halogen free insulation material
- Dimensions and conductor type conform to Mil Spec Mil-C-17
- Insulation is fully qualified to Def Stan 61-12 part 31
- Flame retarded and low smoke generation
- Low evolution of hazardous and corrosive gases
- Excellent flexibility
- Good resistance to oils, fuels and fluids
- Temperature rating: -30 to 105°C

Outer Diameter 1.8mm
 Impedance 50Ω ± 2Ω
 Capacitance 98 pF/m maximum
 Continuous Working Voltage 750 volts r.m.s. maximum
 Operating Frequency 3GHz maximum
 Attenuation dB/100m 10MHz 14.89, 100MHz 48.59, 1000MHz 164.25
 Conductor 7/38awg silver plated copper clad steel

338942

100m Reels	Order Code	1+	Price Per Reel/Metre
	505-1265●	106.42	3+
Continuous Length in 1m Multiples	149-1566●	2.85	100.03

RG 178 Coaxial Cable

**Cut Lengths Available**

RG 178 Coaxial cable is designed for radio and computer systems, as well as the entire field of commercial radio-frequency technology and electronics for low range transmissions. With a small cable diameter it is ideal for applications in narrow spaces. Cable design and electrical properties of RG 178 B/U to MIL-C 17 F. The cable is intended for limited flexible use and for static laying. PTFE material is used to meet requirements concerning low and high ambient temperatures resp and chemical stress.

- 30 AWG Stranded, silvered, copper-clad steel wires. 0.055mm², 7 x 0.102mm
- 50Ω impedance
- Operating temperature -190°C to 205°C max
- FEP outer sheath

Nominal outside diameter	1.9mm	Nominal attenuation 100m	8dB @ 1MHz
Core diameter	0.3mm		20dB @ 10MHz
Nominal Impedance	50Ω		43dB @ 100MHz
Nominal Velocity of propagation	70%		93dB @ 400MHz
Nominal Capacitance	95pF/m		153dB @ 1GHz

448762

50m Reels	Order Code	1+	5+	10+	20+	Price Per Reel/Metre
Mtrs. List No.	128-5813●	107.08	99.15	93.70	89.25	
Continuous Length in 1m Multiples	149-1534●	5.23				

RG178B/U

Cut Lengths Available

Coaxial cable ideal for high speed data communications and LAN applications.

- Inner Conductor: Copper Coated Steel
- Shield: Tinned Copper Braid
- Dielectric: Tetrafluoroethylene
- Jacket: Clear Fluorinated Ethylene-Propylene

Capacitance	93.1pF/m	Outer Diameter	1.8mm
Conductor	7/38AWG (7/0.1mm)	Impedance	50Ω

450470

Reel Size	Order Code	1+	5+	Price Per Reel/Metre
30.5m	130-2766●	99.83		90.76
Continuous Length in 1m Multiples	149-1564●	6.89		

RG179BU 75Ω

**Cut Lengths Available**

- P.T.F.E. insulated 7/0.1mm (7/0.004 in.) stranded silver plated copper-clad steel conductor with silver plated copper braid screen
- Sheathed overall in transparent Brown F.E.P. (fluorinated ethylene propylene) to MIL-C-17 requirements

Nominal outside diameter	2.54mm	Max R.F voltage	1.2kV (peak)
Capacitance	75pF/m	Attenuation per 100m	55.76dB @ 400MHz,

208104

Reel Length	Order Code	1+	5+	10+	20+	Price Per Reel/Metre
25m	121-7849●	65.92	63.05	60.71	53.03	
100m	121-7850●	194.82	177.12	163.99	148.25	
Continuous Length in 1m Multiples						
121-8576● 3.47						

RG179B/U
BELDEN
SENDING ALL THE RIGHT SIGNALS

● 75Ω Radio frequency
● MIL-C-17/94
● Conductor: Silver Plated Copper
● Dielectric: TFE Teflon®
● Shield: Silver Plated Copper Braid
● Jacket: FEP
Nominal outside diameter 2.54mm
Capacitance 75pF/m
Operating temperature -55°C to +200°C
Max operating voltage 900V rms

Reel Size	Order Code	1+	5+	10+	20+	Price Per Reel
25m	142-3310●	50.98	49.45			
100m	142-3311●	175.56	170.29			

478265

RG179DT
BELDEN
SENDING ALL THE RIGHT SIGNALS

● Double screened co-axial cable
● 75Ω Radio frequency
● Conductor: Silver Plated Copper
● Dielectric: TFE Teflon®
Nominal outside diameter 3mm
Capacitance 75pF/m
Operating temperature -55°C to +200°C
Max operating voltage 900V rms
Attenuation per 100m 68.90dB @ 400MHz

478262

RG179PE 75Ω
Brand-Rex


Low density, polyethylene spaced coaxial cable suitable for data transmission applications. Inner conductor 7/0.102mm Silver Plated Copper Covered Steel. Tinned copper braid screened and Black PVC sheathed overall.

Nominal outside diameter	2.54mm	Operating temperature	70°C max
Capacitance	68.8pF/m	Attenuation per 10m	6.9dB @ 400MHz,

466808

RG179 PE
BELDEN
SENDING ALL THE RIGHT SIGNALS

● Dielectric: Solid Polyethylene
● Shield: Tinned Copper
● Jacket: PVC according the European Standard HD 624
Nominal outside diameter 2.8mm
Capacitance 67pF/m
Operating temperature -25°C to +70°C
Max operating voltage 1000V rms
Velocity of propagation 66%

478238

RG196A/U
alpha


Coaxial cable for work station interconnects and LAN applications.

● Inner Conductor: Silver Coated Copper Coated Steel
● Shield: Silver Coated Copper Braid
● Dielectric: Tetrafluoroethylene

RoHS Compliant
Non-compliant


RoHS

08447 11 11 11

Fax: 08447 11 11 12

Capacitance 91.2pF/m	Conductor 7/38AWG (7/0.1mm)	Outer Diameter 1.93mm	Impedance 53Ω	450473
Reel Size 30.5m	Order Code 130-2767●	1+	5+	77.30

RG213AU 50Ω
SPC pro-POWER

 Capacitance Nominal outside dia. 100pF
10.3mm
Impedance 50Ω

● RG213AU cable
● 7/0.75mm stranded copper conductors
● Solid polyethylene dielectric covered in a plain copper braid
● Insulated in Black PVC

232149

100m Reel	Colour Black	Order Code 121-9356●	1+	5+	10+	15+	20+	Price Per Reel
			153.27	135.67	124.78	110.33	102.68	

RG213U Coax Cable
SPC pro-POWER
New


● Conductor: Copper
● Dielectric: Foamed Polyethylene
● Jacket: Black PVC

523723

Order Code	Reel Size	1+	5+	10+	Price Per Reel
164-3738●	100m	129.44	125.56	121.79	

RG213U
Mexans
Cut Lengths Available


Suitable for high frequency connections.

● Continuous working voltage: 3700 volts
● Good resistance to flame NFC 32070/C2 & CEI 332-1&2
Capacitance 100pF/m
Conductor 7/0.75mm
Outer Diameter 10.3mm
Impedance 50Ω

337285

Reel Size	Order Code	1+	3+	Price Per Reel/Metre
100m	121-7822●	248.54	236.10	
Continuous Length in 1m Multiples	149-1571●	6.01		

MRG2130 Coax Transmission Cable
SPC pro-POWER


● Conductor: Bare Copper
● Dielectric: Polyethylene
● Shield: Bare Copper Braid
● Jacket: Polyvinyl Chloride

478319

Reel Size	Order Code	1+	5+	10+	Price Per Reel
100m	142-3302●	191.92	186.16	180.58	

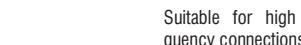
RG214
SPC pro-POWER

● Conductor: Silver Plated Copper
● Dielectric: Polyethylene
● Shield: Silver Plated Copper Braid
● Jacket: Polyvinyl Chloride

478282

Reel Size	Order Code	1+	5+	10+	Price Per Reel
25m	142-3318●	231.35	224.41	217.66	
100m	142-3321●	828.09	803.26	779.14	

Farnell

Coaxial Cable - continued																															
RG214U				RG223U																											
 <ul style="list-style-type: none"> Continuous working voltage: 3700 volts Good resistance to flame NFC 32070/C2 & CEI 332-1&2 <p>Capacitance <106pF/m Conductor 7/0.75mm Outer Diameter 10.8mm Impedance 50Ω</p>				 <ul style="list-style-type: none"> Maximal operating frequency: 11 GHz Double braid silver plated copper screen Operating temperature: -40 to 85°C <p>Capacitance Suitable for high frequency connections.</p>																											
<table> <thead> <tr> <th>Reel Size</th><th>Order Code</th><th>Price Per Reel</th></tr> </thead> <tbody> <tr> <td>25m</td><td>121-7826●</td><td>176.24</td></tr> </tbody> </table>				Reel Size	Order Code	Price Per Reel	25m	121-7826●	176.24	<table> <thead> <tr> <th>Reel Size</th><th>Order Code</th><th>Price Per Reel</th></tr> </thead> <tbody> <tr> <td>100m</td><td>121-7827●</td><td>181.79</td></tr> <tr> <td>Continuous Length in 1m Multiples</td><td>149-1572●</td><td>4.14</td></tr> </tbody> </table>				Reel Size	Order Code	Price Per Reel	100m	121-7827●	181.79	Continuous Length in 1m Multiples	149-1572●	4.14									
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Halogen Free Coax 316





- RG-316 alternative coax offered with halogen free insulation material
- Dimensions and conductor type conform to Mil Spec Mil-C-17
- Insulation is fully qualified to Def Stan 61-12 part 31
- Flame retarded and low smoke generation

Outer Diameter 2.5mm
 Impedance 50Ω ±2Ω
 Capacitance 98 pF/m maximum
 Continuous Working Voltage 750 volts r.m.s. maximum
 Operating Frequency 2.7GHz maximum
 Attenuation dB/100m 10MHz 8.63, 100MHz 28.78, 1000MHz 101.58
 Conductor 7/017mm silver plated copper clad steel

338928

100m Reels	Price Per Reel/Metre
Order Code 505-1289●	1+ 232.69
Continuous Length in 1m Multiples 149-1567●	3+ 218.72

RG402U/RG405U 50Ω Semi-Rigid Microwave



- Semi-rigid coaxial cable especially suited for use with SMA connectors
- Inner conductor silver coated copper clad steel
- 0.9mm (RG402U), 0.5mm (RG405U)
- Solid copper tube outer conductor ensures negligible RF leakage
- Precision construction provides quality performance to 18GHz using SMA connectors
- Score with knife to strip outer sheathing

RG402	RG405
Operating temp. range -40°C to +125°C	-40°C to +125°C
Nominal outside dia. 3.58mm	2.2mm
Capacitance 96pF	105pF
Max voltage 1.5kV dc	1.9kV dc

208362

RG405	Order Code	1+	5+	10+
3m Length	711-299	24.73	23.30	22.12
RG402				
1m Length	711-263	8.76	8.01	7.93
3m Length	711-275	26.42	25.07	23.76

URM43





- Flame resistance according to CEI 332-1
- Single braid bare copper screen
- Operating temperature: -40 to 85°C
- PVC outer jacket

Capacitance 108pF/m Conductor 1/0.9mm Outer Diameter 5mm Impedance 50Ω

337503

Reel Size	Order Code	1+	3+
500m	121-7845●	308.80	293.36
Continuous Length in 1m Multiples 149-1583●		1.48	

URM67 Coaxial Cable



Attenuation 100MHz	0.7dB	Dielectric Insulation Ø Overall Ø	7.25mm
Attenuation 200MHz	2.52dB		10.30mm
Dielectric thickness	2.45mm		

473937/479179

Order Code	1+	3+
139-0049●	141.16	136.15

URM70 LSF



- Flame resistance according to CEI 332-1
- Single braid bare copper screen

Capacitance 71.5pF/m Conductor 7/0.2mm Outer Diameter 5.8mm Impedance 75Ω 337506

		Price Per Reel/Metre	
Reel Size	Order Code	1+	3+
100m	121-7846●	76.11	72.00
Continuous Length in 1m Multiples	149-1584●	1.93	

URM76 Coaxial Cable - LSF



- Low smoke zero halogen construction
- Designed for use with high frequency signal and data transmissions
- Bare copper conductor with plain copper braid
- Solid PE dielectric
- Braid coverage of 87%
- Supplied on 100m reels

Attenuation 100MHz 1.6dB Insulation thickness 1.02mm
Attenuation 1000MHz 5.3dB Insulation Ø 2.95mm 473931/479178

		Price Per Reel	
Order Code		1+	3+
139-0048●		32.05	29.94

URM76 LSF



- Flame resistance according to CEI 332-1
- Single braid bare copper screen

Capacitance 105pF/m Conductor 7/0.32mmmmmm Outer Diameter 5mm Impedance 50Ω 337508

		Price Per Reel/Metre	
Reel Size	Order Code	1+	3+
100m	121-7848●	80.56	70.66
Continuous Length in 1m Multiples	149-1585●	1.73	

VMTX Miniature Coaxial Cable 50Ω and 75Ω



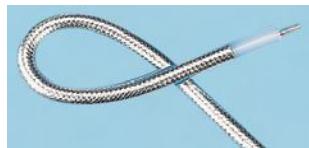
- Suitable for high frequency operation 3GHz maximum
- Resistant to fluids used in aircraft
- Wide operating temperature range
- Very small diameter good flexibility
- White FEP sheathed overall

50VMTX 75VMTX
-90°C to +200°C -90°C to +200°C

Temperature range Impedance 50Ω 75Ω
Maximum working voltage 250V dc 250V dc
Attenuation per 100m @ 100MHz 55dB 70dB
Solid centre conductor silver plated copper covered steel 0.17mm 0.1mm
Nominal overall dia. 1.17mm 1.22mm
Dielectric PTFE PTFE
Silver plated copper braid screen 208255

100m Reel		Price Per Reel/Metre			
Mft.	Order Code	1+	5+	10+	20+
50Ω	5633JZZD	157-2848●	125.87	109.96	105.48
75Ω	5634JZZD	157-296●	144.86	126.56	121.40
Continuous Length in 1m Multiples					109.70
50Ω	5633JZZD	385-5296●	3.56	--	--
75Ω	5634JZZD	385-5302●	3.56	--	--

Quickform®



- Electrical performance similar to semi rigid coaxial
- Very low attenuation with very high screening
- Easily formed by hand
- Recommended for mobile phones and PCB to PCB links
- Intended for static links

Impedance 50Ω±2Ω Inner conductor silver plated copper covered steel dia.
Capacitance 0.51mm Outer conductor tin soaked copper braid diameter
Dielectric 2.14mm 3.52mm
Relative velocity of propagation 97pF/m 97pF/m
Attenuation per 100m @ 16GHz P.T.F.E. P.T.F.E.
10GHz 0.64dB 0.42dB
20GHz 2.26dB 1.23dB
Temperature range 3.42dB 1.95dB
Minimum static bend radius -65°C to +150°C 65°C to +150°C
7mm 11mm

Quickform®86	Quickform®141
50Ω±2Ω	50Ω±2Ω
0.51mm	0.95mm
2.14mm	3.52mm
97pF/m	97pF/m
P.T.F.E.	P.T.F.E.
70%	70%
0.64dB	0.42dB
2.26dB	1.23dB
3.42dB	1.95dB
-65°C to +150°C	65°C to +150°C
7mm	11mm

208257

Continuous Length in 1m Multiples		Price Per Metre			
Order Code		1+	5+	10+	20+
Quickform®86	157-983●	5.14	4.74	4.35	3.90
Quickform®141	157-995●	7.20	6.67	6.13	5.48
		Price Per Reel			
100m Reel		1+	5+	10+	20+
Quickform®86	157-260●	388.41	369.00	350.55	333.02
Quickform®141	157-272●	536.34	509.53	484.06	459.85

BELDEN



9907 - Thin Ethernet™ Coaxial 50Ω



- Foam polyethylene insulated 20AWG (19/32AWG) tinned stranded copper conductor shielded in Duo-bond® II aluminium/polyester/aluminium foil which is bonded to the dielectric
- Shielded overall in tinned copper braid and sheathed overall in Grey PVC.

Nominal outside diameter 4.7mm Attenuation per 100m 1.4dB @ 1MHz
Nominal impedance 50Ω 4.3dB @ 10MHz
Conductor resistance 83.3pF/m Velocity of propagation 80%

DEC Part No. 17-01248-00 UL Style 1354

Note: Reel length with U-prefix indicates supplied in UnReel® dispenser box.

208075

Belden No.	Reel Length	Order Code	1+	5+	10+	25+
9907	152.4m	118-2073●	179.59	168.85	147.58	132.05
Continuous Length in 1m Multiples		121-8658●	1.69			

Uniradio 43/67 50Ω



- Solid polyethylene insulated
- Braid screened
- Black PVC sheathed overall to BS2316

Uniradio 43 1/0.9mm 7/0.77mm
Nominal outside diameter 5mm 10.3mm
Capacitance 100pF/m 100pF/m
Maximum voltage 5kV dc 10kV dc
Maximum RF working voltage 2.6kV peak 6.5kV peak

Attenuation (10m)
Uniradio 43 1.3dB @ 100 MHz 4.6dB @ 1000 MHz
Uniradio 67 0.68dB @ 100 MHz 2.52dB @ 1000 MHz

219631

Reel Length	Order Code	1+	5+	15+
Uniradio 43 100m	121-7790●	69.28	65.83	62.55
Uniradio 67 50m	121-7791●	114.47	108.76	103.31
Uniradio 67 100m	121-7792●	218.41	207.50	197.11
Continuous Length in 1m Multiples				
Uniradio 43	121-8579●		2.21	
Uniradio 67	121-8581●		2.57	

Uniradio 70 75Ω



- Solid polyethylene insulated 7/0.19mm copper conductor
- Braid screened and PVC sheathed overall to BS2316

Nominal outside diameter 5.8mm Max R.F working voltage 1.8kV peak
Capacitance 67pF/m Attenuation per 10m 1.5dB @ 100MHz,
Maximum DC working voltage 14kV 5.2dB @ 1000MHz,

219632

Reel Length	Order Code	1+	5+	10+	15+
50m	121-7794●	43.69	41.49	39.43	37.44
100m	121-7796●	81.64	77.56	73.68	70.00
Continuous Length in 1m Multiples	121-8582●	0.52	--	--	--

Uniradio 76 50Ω



- Solid polyethylene insulated 7/0.32mm copper conductor
- Braid screened and PVC sheathed overall to BS2316.

Nominal outside diameter 5mm Max R.F working voltage 2.6kV peak
Capacitance 100pF/m Attenuation per 10m 1.6dB @ 100MHz,
Maximum DC working voltage 5.3dB @ 1000MHz,

61

Coaxial Cable - continued**Uniradio 76 50Ω - continued**

Price Per Reel/Metre			
Colour	Order Code	1+	5+
Black	121-7797●	75.31	71.54
Continuous Length in 1m Multiples			67.98
Black	121-8583●	0.54	--
			--

219633

Uniradio 202/203 75Ω

Low Loss

**Cut Lengths Available**

- Low loss, general purpose coaxial cable
- Cellular polythene insulated
- Braid screened, PVC sheathed overall to BS2316
- 202 7/0.25mm, copper, 203 1/1.12mm copper strands.

202**203**

Nominal outside diameter	5.1mm	7.25mm
Capacitance	56pF/m	56pF/m
Operating temperature	-5°C to +70°C	-5°C to +70°C
Attenuation per 100m	11dB @ 100MHz, 40dB @ 900MHz,	7.5dB @ 100MHz, 26dB @ 900MHz,

208367

Uniradio 202**Colour****Reel Length****Order Code****Price Per Reel****1+****5+****15+**

Black	50m	121-7802●	35.40	33.63	31.95
Black	100m	121-7798●	67.79	64.39	61.17

Uniradio 203**Black****50m****Order Code****43.88****41.68****39.60**

Continuous Length in 1m Multiples					
Black	Uniradio 202	121-8584●	0.40	--	--
Black	Uniradio 203	121-8585●	0.60	--	--

208367

Low Loss Air Spaced 75Ω**Cut Lengths Available**

- Low loss general purpose TV download cable with 5-cell air spaced polyethylene insulated
- 1/1.0 conductor with plain copper braid screen
- Sheathed overall in Brown PVC.

Nominal outside diameter	6.5mm	Attenuation per 100m	0.78dB @ 100MHz, 2.44dB @ 860MHz,
Capacitance	53pF/m		

208016

100m Reel

Colour	Order Code	1+	5+	10+	15+	20+
Brown	268-770	33.23	33.02	31.98	27.47	24.03
Continuous Length in 1m Multiples						
Brown	385-5429	0.41	--	--	--	--

208016

CTF100 Coax Cable**New**

- Conductor: Solid Soft Annealed Copper
- Dielectric: Gas injected LDPE

- Shield: Annealed Copper
- Jacket: PVC according to European Standard HD 624

Coaxial cables used in cable distribution networks designed according to the European Standard EN 50117-2-1 and En 50117-2-4 operating at frequencies between 5 MHz and 3000 MHz.

Nominal outside diameter	6.65mm	Attenuation per 100m	6.5dB @ 100MHz 21.5dB @ 1000MHz
Capacitance	55pF/m		
Attenuation per 100m	4.6dB @ 50MHz		

508254

Reel Size

Reel Size	Order Code	1+	5+	10+
100m	157-7829●	90.61	89.57	88.10

CATV Drop Cable**H121C**

- Conductor: Solid Copper
- Dielectric: Polyethylene

- Shield: Bare Copper Braid
- Jacket: Polyvinyl Chloride

Coaxial cable used in cable broadband communication networks designed according to the European Standard EN 50117-1 and EN 50117-2-1, -2, -4, -5, EN 50083-2/A1.

Nominal outside diameter	5mm	Attenuation per 100m	5.3dB @ 50MHz
Capacitance	53pF/m		7.5dB @ 100MHz
Operating temperature	-15°C to +70°C		24.5dB @ 1000MHz

478338

Reel Size	Order Code	Price Per Reel		
		1+	5+	10+
100m	142-3218●	38.76	37.58	36.46

**Drop Coaxial Cable****H125**

- Conductor: Solid Copper
- Dielectric: Polyethylene
- Shield: Annealed Copper

- Jacket: PVC according to the European Standard HD 624
- Drop coaxial cable used in HFC / CATV broadband communication networks or SATV
- All Copper conductor material
- Coaxial cable fit for standard connector usage
- Test methods in accordance with European standard EN 50117-1
- Designed according to the European standard EN 50117 operating at frequencies between 5 MHz and 210 MHz and the International Standard IEC 1196

Nominal outside diameter	6.8mm	Attenuation per 100m	4.2dB @ 50MHz
Capacitance	55pF/m		6.0dB @ 100MHz
Operating temperature	-40°C to +70°C		20.4dB @ 1000MHz
Max operating voltage	2000V dc rms	Velocity of propagation	81%

47834

Reel Size	Order Code	Price Per Reel		
		1+	5+	10+
100m	142-3217●	59.62	57.83	56.09

**High Performance Twinax RS-485 Applications****Cut Lengths Available**

- **9271:** Comprising Clear and Blue polyethylene 25 AWG (7/33AWG) tinned stranded conductors
- Beldfoil® aluminium/polyester foil 100% shield
- Internal drain wire
- Available with Blue PVC and zero halogen (NH) jacket

Belden No.	Reel Size	Order code	1+	5+
9271	152.4m	118-2168●	180.82	167.15
Continuous Length in 1m Multiples				
9271	—	121-8660●	1.27	

208207

DataTray® 600V Twinaxial Cable**3072F**

- 18 AWG stranded (7x26) tinned copper conductors
- Flame-retardant polyolefin insulation
- Overall Beldfoil® (100% coverage) plus a tinned copper braid shield (55% coverage)

Reel Size	Order Code	Price Per Reel		
		1+	5+	10+
304.8m	142-3224●	835.06	810.01	785.63

478470

Proprietary - 9463

- Twinaxial transmission line cable which offer low-loss signal transmission which remains unaffected by outside signals or noise fields
- Also known as Blue Hose®
- 55% tinned copper braid under a blue PVC
- NH = Halogen free
- UL recognised
- Standards: NEC CM CL2, (IEC 332-3C for 9463NH)

Belden Number	Impedance	Voltage Rating	Nominal Outside Dia
9463NH	78Ω	300v	6.4mm
Order Code	Belden No.	Reel Size	Price Per Reel
121-2948●	9463NH	304.8m	1+ 426.34 + --

338279



Scart Audio/Video

Universal Peri-tel - DIN-EN-50049



Cut Lengths Available

Universal Scart cable for audio/video and data transmission applications, conforming to EN50-049. Construction consists of 6 video coaxial cores, 4 overall screened audio cores, 4 data cores, screened overall with aluminium/polyester foil with tinned copper drain wire. Sheathed overall in Black PVC.

Construction (6 x 75Ω Video Coaxial Cores)

Conductor	26 AWG (10/0.1mm) stranded plain copper wire
Insulation	Foamed polyethylene
Screen	Lapped 0.1mm plain copper
Sheath	Polyethylene, Green, Red, Yellow, Black, Blue, White

Construction (4 Audio Cores)

Conductor	26 AWG (10/0.1mm) stranded plain copper wire
Insulation	Polyethylene, Red, White, Black, Blue
Screen	Aluminium/polyester foil with tinned copper drain wire

Construction (4 Data Cores)

Conductor	26 AWG (10/0.1mm) stranded plain copper wire
Insulation	Polyethylene, Red, White, Yellow, Blue

Nominal outside Diameter 10.4mm 207985

25m Reel		Price Per Reel			
Colour	Order Code	1+	5+	10+	15+
Black	297-859	78.55	73.50	66.66	63.36
Continuous Length in 1m Multiples					
Black	385-5508	6.41	--	--	--

Professional Scart - DIN-EN-50049



- Professional grade scart audio/video cable type U, conforming to DIN-EN-50049.

Construction (6 x 75Ω Video Coaxial Cores)

Conductor	7/0.1 tinned copper
Insulation	Polyethylene
Screen	Plain copper wire braid
Sheath	PVC White, Blue, Green, Red, Black and Grey

Construction (4 Audio Cores)

Conductor	7/0.1 tinned copper
Insulation	Polyethylene, Clear, Grey, Orange and White
Screen	Plain copper wire braid

Construction (2 Data Lines)

Conductor	7/0.1 tinned copper wire
Insulation	Polyethylene
Screen	Plain copper lapp
Sheath	PVC Yellow and Green
One conductor	18/0.1 plain copper brown PVC insulated
Screen	Aluminium/polyester foil tinned copper drain wire
Sheath	Grey PVC with a Black longitudinal stripe

208116

25m Reel		Price Per Reel/Metre		
Order Code	1+	5+	10+	
Professional Scart	711-044	115.21	105.62	98.74

Triple Miniature 75Ω



Cut Lengths Available

- High quality 75Ω triple coaxial
- For professional TV and video
- Colour coded in the primary video colours, red, green and blue

1/0.35mm annealed copper, polyethylene, dielectric and copper wire braid screen of 93% coverage

Overall sheathed in Grey or Black PVC, CL2R approved and UL1666 recognised, riser flame test.

Maximum Capacitance 60pF/m
Attenuation per 100m 4dB @ 5MHz, 7dB @ 10MHz, 9dB @ 20MHz,
12dB @ 30MHz, 15dB @ 100MHz,

Nominal outside diameter 7.2 208109

Colour	100m Reel	Order Code	1+	5+	10+	Price Per Reel/Metre
Black	711-202	146.06		138.85	131.45	
Black	711-214	146.06		138.85	131.45	
Grey	385-5521		3.89			

Over 480,000 products online



Digital 100 Shotgun Cable



- Two digital 100 cables laid side by side in a figure 8 construction
- Designed for use with Sky+ installations
- Easy stripping
- PVC insulation
- Foam PE dielectric
- 16/3/0.14mm copper braid + copper foil
- Supplied on 100m reels

Insulation diameter	1.20mm	Velocity ratio %	66
Insulation thickness	0.21mm	Rated Voltage	300V
Construction	T0.25x7	Rated temperature	80°

473966/479188

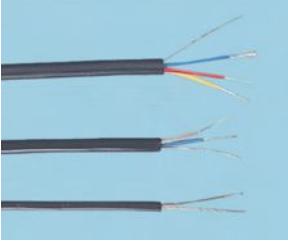
Order Code	1+	Price Per Reel
139-0060●	22.95	20.89

Microphone Cable

Miniature 1, 2 & 4 Core



Conductive Thermoplastic Screen



Polyethylene insulated 7/0.2mm (0.22mm²) tinned copper conductors together with a 7/0.2mm tinned copper drain wire in a conductive thermoplastic sheath providing a high level of screening and flexibility. Ideal for microphones, indoor or outdoor sound installations, instrumentation applications etc. Sheathed overall in Black PVC.

Operating temperature: -20°C to +80°C
No. of Cores Nom. Outside Diameter (mm) Capacitance/Metre
Core/Core Core/Screen

207979

100m Reel		Price Per Reel/Metre			
No. of Cores	Order Code	1+	5+	10+	15+
1	121-7804●	59.11	55.29	53.20	50.77
2	121-7805●	53.66	50.66	49.33	49.33
Continuous Length in 1m Multiples					
1	121-8586●	0.31	--	--	--
2	121-8587●	0.93	--	--	--

Flexible 2 Core



Semiconductive Plastic Screen



Clear and Yellow polyethylene insulated 30/0.12mm (0.35mm²) tinned copper conductors laid with 30/0.12mm tinned copper drain wire in a semiconductive plastic bedding giving a high level of screening with no degradation due to cable/screen movement. Sheathed overall in Type 8 Arctic grade PVC for high flexibility.

Nominal outside diameter 6.6mm Capacitance 91pF/m, core to core, pF/m, core to screen 224056

100m Reel		Price Per Reel			
Colour	Order Code	1+	5+	10+	15+
Blue	120-2672●	60.66	55.42	50.93	45.12
Red	120-2673●	60.66	55.42	50.93	43.13

524029

Microphone Cable



Conductors	20 / 0.12mm Bare Copper
Screen	60 / 0.12mm Bare Copper
O/D	6mm
Sheath	PVC
Reel	100m

Colour	Order Code	1+	5+	10+
Black	165-0588●	48.87	47.40	45.98
Red	165-0589●	50.63	49.11	47.63
Blue	165-0590●	50.63	49.11	47.63
White	165-0591●	50.63	49.11	47.63
Grey	165-0593●	48.26	46.82	45.42



Microphone Cable - continued**Guitar / Microphone Cable**

Conductors 20 / 0.12mm Bare Copper
Screen 30 / 0.12mm Bare Copper

Sheath PVC
Reel 100m

524031

Colour	Diameter	Order Code	Price Per Reel		
			1+	5+	10+
Black	6mm	165-0594●	32.71	31.73	30.78
Red	6mm	165-0595●	35.41	34.35	33.31
Blue	6mm	165-0596●	35.41	34.35	33.31
Black	7mm	165-0597●	40.00	38.80	37.63
Red	7mm	165-0598●	43.66	42.35	41.08
Blue	7mm	165-0599●	43.66	42.35	41.08

Star Quad 4-Core

1192A Non-Paired



- 24 AWG stranded (42x40) high-conductivity bare copper conductors
- Polyethylene insulation
- Tinned copper braid shield (95% coverage)
- PVC jacket
- Low Impedance

Nominal outside diameter
Capacitance (Core-Core)
Capacitance (Core-Screen)
Operating temperature

6.22mm
39.2pF/ft
57.4pF/ft
-30°C to +75°C

Max operating voltage
Current (per conductor)
Velocity of propagation

478487

478487

100V rms
2.9A
66%

1

Reel Size	Order Code	1+	5+	10+
30.5m	142-3234●	89.86	87.16	84.54

'STARQUAD' 4 CORE

Four twisted cores of PVC insulated 14/0.12mm (0.16mm²) plain copper conductors twisted round a centre PVC filament in a tight lay length (12.5mm) to form a balanced quad cable.

Cut Lengths Available

Screened with helically wound 48/0.15mm tinned copper wire to ensure high quality sound transmission through electrically noisy areas. Sheathed overall in Grey PVC.

Nominal outside diameter 4.7mm Nom. capacitance per pair: 115pF/m
Pair colours Red, Blue, Green, White

224057

100m Reel	Order Code	1+	5+	10+	15+	20+
Grey	152-133●	79.81	73.74	64.39	53.35	52.59
Continuous Length in 1m Multiples	385-5995●	1.77	--	--	--	--

Star Quad Microphone Cable

This microphone cable using OFC as a spiral shield exterior, with a star quad structure and high insulation PE material. Designed for studio microphones, PA systems, portable applications, audio rack wiring and audio patch cords.

Conductors 30 / 0.08mm Bare Copper
Screen 73 / 0.12mm Bare Copper
O/D 4.8mm

524024

Colour	Order Code	1+	5+	10+
Black	165-0584●	57.49	55.76	54.09
Red	165-0585●	57.87	56.13	54.44
Blue	165-0586●	57.87	56.13	54.44

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Star Quad Microphone Cable


Conductors 20 / 0.12mm Bare Copper
Screen 64 / 0.18mm Bare Copper
O/D 6mm

Colour Grey
Sheath PVC
Reel 100m

524027

Order Code	1+	5+	10+
165-0587●	94.54	91.71	88.95

Star Quad Microphone Cable


Conductors 26 / 0.1mm Bare Copper
Screen 16 x 8 / 0.1mm Tinned Cop
O/D 6mm
Colour Black
Sheath PVC
Reel 100m

524014

Order Code	1+	5+	10+
165-0577●	84.33	81.79	79.34

1804A-Miniature 'Star Quad'

- 4 conductors 28AWG (19/40AWG) silver plated high strength copper alloy
- Polypropylene insulated
- Tinned copper braid shield 78% coverage

- Matt PVC jacket
- Applications headphones, lightweight microphones and musical instruments

Nominal outside diameter 2.92mm Jacket thickness 0.356mm
Nominal Capacitance 131pF/m

Star Quad connection: the two diagonally-opposite wires should be connected together to form a conductor; likewise for the remaining two. Conductors joined in this manner lower the possibility of induced noise.

208231

30.5m Reel	Belden No.	Order Code	1+	+	+	+
1804A	127-9068●	185.79	--	--	--	--
1804A	127-9078●	10.36	--	--	--	--

Extra Flexible Single Core
Screened

- Very flexible screened single core cable
- Very high quality
- Suitable for use in microphone and general purpose audio applications
- Manufactured from extra soft, low contamination Black PVC and oxygen free copper
- Very low loss of transmission
- Long operating life

Construction 18/0.1mm
Screen 36/0.11 OFC spiral wrapped Outside diameter 4.5 mm

232629

100m Reel	Colour	Order Code	1+	+	+
Black		389-4642	12.36	--	--

Screened 2 Core

- Two core screened cable
- Suitable for low impedance balanced microphone applications
- 7/0.2 stranded copper conductors
- Lap screened
- Black PVC outer sheath

Construction 7/0.2mm Nom. Outside diameter 3mm
CSA 0.22mm²

232633

100m Reel	Colour	Order Code	1+	5+	10+
Black		389-4680	22.39	21.02	19.79

Two Core, Twin Screened

- Very flexible two core twin screened noiseless microphone cable
- Constructed of stranded copper conductors with conductive plastic and copper lap screen, sheathed overall in PVC

Construction 20/0.1mm Nom. Outside diameter 6.3mm
CSA 0.16mm²

232634

100m Reel		Price Per Reel		
Colour	Order Code	1+	5+	10+
Black	389-4691	25.87	25.37	25.11
Red	389-4708	25.87	25.37	25.11
Blue	389-4710	25.87	25.37	25.11

Overall Screened 4 Core

16/0.2mm



- High quality four core screened cable
- Ideal for general audio and microphone applications
- 112/0.1mm tinned copper braid and aluminium foil
- Manufactured from 99.999% Oxygen Free Copper and Grey PVC

Construction 16/0.2mm Screen 112/0.10 tinned copper braid
Nom. Outside diameter 7.2 mm Aluminium foil

232727

100m Reel		Price Per Reel		
Colour	Order Code	1+	5+	10+
Grey	389-4757	44.92	41.34	39.76

Two-Conductor, Low-Impedance Microphone Cable

8413 Non-Paired



- 24 AWG stranded (45x40) TC alloy conductor
- EPDM rubber insulation
- Conductive textile wrap (100% coverage)

Nominal outside diameter 5.05mm Operating temperature -40°C to +90°C
Capacitance (Core-Core) 30pF/ft Max operating voltage 300V rms
Capacitance (Core-Screen) 55pF/ft Current (per conductor) 2.2A

478482

Reel Size	Order Code	1+	5+	10+
30.5m	142-3233●	133.62	130.34	126.43

Two-Conductor, Low-Impedance Microphone Cable

9397 Non-Paired



- 24 AWG stranded (105x44) high-conductivity bare copper conductors
- PVC insulation

Nominal outside diameter 4.47mm Max operating voltage 300V rms
Capacitance 154pF/m Current (per conductor) 3.36A
Operating temperature -20°C to +80°C

478443

Reel Size	Order Code	1+	5+	10+
152.4m	142-3221●	332.50	321.93	312.27

Cable cutting service

With over 900 cables cut to order,
see page 80 for details on how to
place your order.

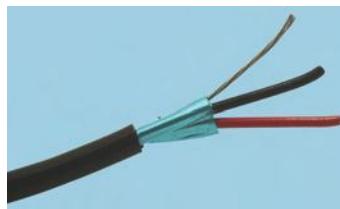
Cut Lengths Available



New

Audio Cable**Single-Pair Audio Cable**

1503A Paired



- 24 AWG stranded (7x30) TC conductors
- PVC insulation
- Twisted pair
- Overall Beldfoil® shield (100% coverage)
- 24 AWG stranded TC drain wire
- PVC jacket
- Supplied in 304.8m reels

Nominal outside diameter 3.6mm Max operating voltage 300V rms
Capacitance (Core-Core) 53pF/ft Velocity of propagation 66%
Operating temperature -30°C to +90°C

478180

Colour	Order Code	1+	5+	10+
Brown	142-3225●	166.96	161.62	156.75
Red	142-3226●	166.96	161.62	156.75
Yellow	142-3227●	166.96	161.62	156.75
Blue	142-3229●	166.96	161.62	156.75

Single-Paired Audio Cable

1696A Paired



- 22 AWG stranded (7x30) TC conductors
- Datalene® insulation
- Twisted pair with fillers
- Overall Beldfoil® + TC braid shield (90% coverage)
- 24 AWG drain wire
- PVC jacket

Nominal outside diameter 5.94mm Max operating voltage 300V rms
Capacitance (Core-Core) 13.0pF/ft Current (per conductor) 3.8A
Capacitance (Core-Screen) 26pF/ft Velocity of propagation 76%
Operating temperature -30°C to +60°C

478475

Reel Size	Order Code	1+	5+	10+
76.2m	142-3231●	151.30	142.23	137.96

Single-Pair Audio Cable

1800B Paired



- 24 AWG stranded (7x32) tinned copper conductors
- 24 AWG drain wire
- PVC jacket

Nominal outside diameter 4.5mm Max operating voltage 300V rms
Capacitance (Core-Core) 12pF/ft Current (per conductor) 2.75A
Capacitance (Core-Screen) 26pF/ft Velocity of propagation 76%
Operating temperature -30°C to +60°C

478480

Reel Size	Order Code	1+	5+	10+
152.4m	142-3232●	248.52	238.76	231.60

Extra Flexible OFC Transparent Speaker Cable

A high quality, very flexible transparent speaker cable that is ideal for car stereo, home Hi-Fi and general purpose audio applications. The cable is constructed using extra soft, low contamination PVC and 99.999% Oxygen Free Copper (OFC) to ensure high precision transmission and a very long operating life. The cores are laid side by side in a figure of 8 construction and are insulated using an attractive transparent red PVC sheath. A continuous black line indicates polarity.

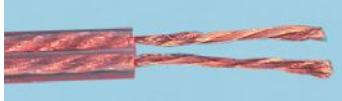
Conductors 315 x 0.12mm OFC Bare Copper Strands
Sheath Transparent Light Red PVC
Size mm 2 x 3.50mm
Reel Length 100m

254823/523241

Order Code	Price Per Reel
164-7843●	1+ 99.12 5+ 96.15

Over 480,000 products online



Audio Cable - continued**Extra Flexible OFC Transparent Speaker Cable****New**

A high quality, very flexible transparent speaker cable that is ideal for car stereo, home Hi-Fi and general purpose audio applications. The cable is constructed using extra soft, low contamination PVC and 99.999% Oxygen Free Copper (OFC) to ensure high precision transmission and a very long operating life. The cores are laid side by side in a figure of 8 construction and are insulated using a transparent PVC sheath. A continuous black line indicates polarity.

Conductors 105 x 0.11mm OFC Bare Copper Strands
Sheath Transparent PVC
Size 2 x 1.00mm
Reel Length 100m

254822/523240

Order Code	Price Per Reel	
	1+	5+
164-7844●	33.54	32.53

OFC Screened Audio Connection Cable**New**

High quality, single core audio connecting cable which provides quality transmission of low frequency audio signal between audio equipment. The cable is constructed using 99.999% OFC conductors and screen thus enabling signal distortion, resistance and interference to be kept to a minimum.

Conductors 1 x (10x 0.12mm) OFC
Screen 26 x 0.10mm OFC
O/D 1.60mm

Colour Grey

Sheath PVC

Reel Length 100m

254813/523238

Order Code	Price Per Reel	
	1+	5+
164-7845●	11.40	11.06

High Quality Transparent Twisted Speaker Cable**New**

A superb quality, flexible two core twisted speaker cable with 189 strands of 99.99% oxygen free copper (OFC) conductors that ensures high precision music transmission and crystal clear, crisp sound quality. The conductors and cable are sheathed in transparent PVC. Supplied on 100m reels.

Conductors 189 x 0.10mm (OFC), (27/7/0.10mm)
Size 2 x 1.50mm sq

254821/523239

Order Code	Price Per Reel	
	1+	5+
164-7846●	64.80	62.85

Flexible OFC Transparent Audio Cable**New**

- General purpose figure 8 audio cable
- Oxygen Free Copper (OFC) bare copper strands
- 99.999% pure copper
- Conductors: 1x tinned copper and 1x bare copper
- Very flexible PVC jacket
- Suitable for home cinema and Hi-Fi systems

Conductors 2 x 0.75mm²
Inner conductors 24 x 0.20mm
Outer diameter 2x 2.5mm
Reel Length 100m

276594/523244

Order Code	Price Per Reel	
	1+	5+
164-7847●	25.63	24.87

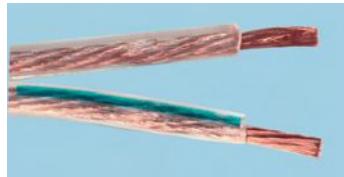
Flexible OFC Transparent Audio Cable**New**

- High performance audio cable
- Bare copper stranded conductors
- 99.999% Oxygen Free Copper (OFC)
- Very flexible transparent PVC jacket
- Suitable for home cinema or car stereo systems

2 x 0.65mm²
60 x 0.12mm
2x 3.5mm
100m

276544/523250

Order Code	Price Per Reel	
	1+	5+
164-7848●	25.48	24.72

High Quality OFC Transparent Audio Cable**New**

- High number strands with low resistance
- Oxygen Free Copper (OFC) bare copper strands
- 99.999% pure copper stranded conductors
- Very flexible transparent PVC jacket
- Suitable for Hi-Fi, home cinema or car stereo systems

Conductors 2 x 1.9mm²
Inner conductors 168 x 0.12mm(24 / 7 / 0.12mm)
Outer diameter 2 x 4.0mm
Reel Length 100m

276694/523246

Order Code	Price Each	
	1+	5+
164-7849●	63.07	61.18

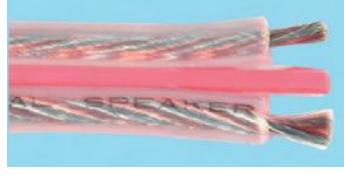
Spaced OFC Transparent Audio Cable**New**

- High performance audio cable
- 3mm spacing to reduce interference
- Oxygen Free Copper (OFC) bare copper stranded conductors
- 99.999% pure copper
- Very flexible transparent PVC jacket
- Suitable for home cinema or car stereo systems

Conductors 2 x 1.5mm²
Inner conductors 189 x 0.10mm(27 / 7 / 0.10mm)
Outer diameter 2x 3.5mm + 3mm spacing
Reel Length 100m

276585/523243

Order Code	Price Per Reel	
	1+	5+
164-7850●	63.34	61.45

High Quality OFC Spaced Audio Cable**New**

- High quality and reduced crosstalk
- 3 strands tinned copper + 4 strands bare copper
- 4mm spacing to reduce interference
- Oxygen Free Copper (OFC) bare copper strands
- 99.999% pure copper

Conductors 2 x 2.5mm²
Inner conductors 315 x 0.10mm(45 / 7 / 0.10mm)
Outer diameter 2x 6.0mm + 4mm spacing

276527/523247

Length	Order Code	Price Per Reel	
	1+	5+	
100m	164-7852●	106.90	103.69
50m	164-7851●	49.40	47.92

Square OFC Spaced Audio Cable
pro-POWER

New

- 5mm square transparent flexible PVC jacket
- 3mm spacing to reduce crosstalk
- Oxygen Free Copper (OFC) bare copper strands
- 99.999% pure copper
- Suitable for high end audio or car stereo systems

Conductors 2 x 2.5mm²
 Inner conductors 315 x 0.11mm
 Outer dimensions 2x 5.0x5.0mm + 3mm spacing
 Reel Length 100m/50m

276647/523242

Description	Order Code	Price Per Reel
100m reel	164-7855●	107.56
50m reel	164-7853●	54.45

OFC Transparent Audio Cable
pro-POWER

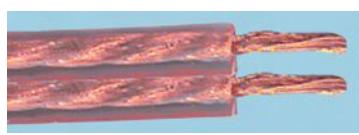
New

- Quality figure 8 audio cable
- Oxygen Free Copper (OFC) bare copper stranded conductors
- 99.999% pure copper strands
- Very flexible transparent PVC jacket
- Suitable for Hi-Fi, home cinema or car stereo systems

Conductors 2 x 2.2mm²
 Inner conductors 196 x 0.12mm(28 / 7 / 0.12mm)
 Outer diameter 2x 4.0mm
 Reel Length 100m

276599/523245

Order Code	Price Per Reel
164-7856●	83.93

Audio Speaker Cable
pro-POWER

New

- Quality, flat speaker cable
- Insulated with a transparent PVC sheath
- Coloured stripe on one core

Conductors 2 x 1.5mm²
 Inner conductors 196 x 0.10mm
 Outer diameter 4.14 x 8.4mm
 Reel Length 100m

381219/523249

Order Code	Price Per Reel
164-7857●	58.04

Audio Speaker OFC Cable
pro-POWER

New

- High quality Oxygen Free Copper speaker cable
- Micro fine strands offering excellent flexibility
- Insulated with a transparent PVC sheath
- Coloured stripe on one core

Conductors 2 x 1.5mm²
 Inner conductors 189 x 0.10mm
 Outer diameter 3.1 x 6.5mm
 Reel Length 50m

381220/523248

Order Code	Price Per Reel
164-7858●	26.30

Loudspeaker Cable
pro-POWER

New

- Conductor: Copper
- Jacket: PVC
- Figure 8 audio cable
- Single round cable for easy routing and installation

523737

CSA	Dimensions	Order Code	Price Per Reel		
			1+	5+	10+
0.5mm ²	2.3 x 4.6mm	164-3749●	24.00	23.29	22.59
0.75mm ²	2.6 x 5.2mm	164-3750●	34.39	33.36	32.35
1.5mm ²	3.1 x 6.2mm	164-3751●	63.28	61.38	59.54
2.5mm ²	3.8 x 7.6mm	164-3752●	105.05	101.90	98.85

Professional Speaker Cable
pro-POWER

- 99.999% Oxygen Free Copper conductors
- Flexible Blue PVC Jacket

Construction 102/0.12mm Nom. Outside diameter 4 x 8 mm

232635

100m Reel	Colour	Order Code	Price Per Reel		
			1+	5+	10+
	Blue	389-4721	48.33	47.07	45.30

Individually Screened 4 Core
pro-POWER

7/0.1mm

- Four core individually screened audio cable
- Minimal crosstalk
- Ideal for general audio connections
- Sheathed overall in Black PVC

Construction 7/0.1mm Nom. Outside diameter 4.5mm

232637

100m Reel	Colour	Order Code	Price Per Reel		
			1+	5+	10+
	Black	389-4745	27.04	25.93	19.76

9451 - Line Level Analogue Audio Cable
BELDEN

- Twisted pair 22 AWG (7/30AWG) tinned copper polypropylene insulated
- Jackets and shields are bonded so both strip simultaneously with automatic stripping equipment
- Integral drain wire is between conductors for easy stripping
- Z-Fold overall Beldfoil® aluminium/polyester shield, giving 100% coverage
- PVC jacket
- Application: Connection of level equipment, in either permanent or semi permanent installations

Nominal outside diameter	3.43mm	Jacket insulation	0.51mm
Nominal Capacitance core/core	111pF/m	Suggested working voltage	300V rms

208213

152.5m Reel	Belden No.	Order Code	Price Per Reel/Metre		
			1+	5+	10+
	9451	118-2172●	79.36	--	--
	Continuous Length in 1m Multiples	9451	121-8701●	1.68	--

Miniature Single Pair
BELDEN


Cut Lengths Available

- Suitable for sound systems, broadcasting, audio and instrumentation applications
- Tinned copper wire conductors
- Overall sheathed in PVC
- UL 2092 recognised

Type No.	No. of Pairs	AWG	Construction	Nominal		
				Conductor	Shield	Overall Dia. (mm)
8760	1	18	16/30AWG	79	144	5.64
8761	1	22	7/30AWG	79	154	4.45
8762	1	20	7/28AWG	89	161	5.18

Audio Cable - continued

Miniature Single Pair - continued

208179

Belden No.	Reel Length	Order Code	Price Per Reel/Metre
			1+ 5+
8760	152.4m	118-2145●	123.31 115.94
8761	152.4m	761-278●	97.15 91.35
8762	152.4m	118-2143●	107.64 --
Continuous Length in 1m Multiples		121-8690●	1.86

8451 - Brilliance™ Miniature Shielded Twisted Pair

BELDEN
Belden has the right solution

 Black and Red polypropylene insulated twisted pair of 22AWG (7/30AWG) tinned stranded copper conductors. Shielded in Beldfoil® aluminium/polyester foil with integral drain wire. Paper wrapped and sheathed overall in Black PVC. Occupies 50% to 66% less space than standard cables, ideally suitable for internal wiring in audio applications.

Nominal outside diameter 3.43 Capacitance 111pF/m core to core
Max. working voltage 300V rms 220pF/m core to screen

Note: Reel length with U-prefix indicates supplied in UnReel® dispenser box.

208079

Belden No.	Boxed Reel Length	Order Code	Price Per Reel
			1+ 5+ 10+
8451	U-30.5m	118-2118●	24.51 23.14 22.10
	U-152.4m	118-2101●	137.45 127.84 116.49
	U-304.8m	118-2102●	276.00 256.71 238.52

GAC-2 Balanced 2 Core

DELTRON Components

'Reussen Shield' Screen



- 2 core PVC insulated brown, white 48/0.07mm (0.19mm²), copper conductors
- White PVC layer separator 'Reussen Shield' 0.1mm

- Sheathed overall in extra-flexible matt finish PVC
- Applications, balanced line e.g. MIDI, XLR-to-XLR type leads
- Excellent noise rejection qualities

Nominal outside diameter 5.4mm Capacitance 160nF/km core to core
Conductor resistance 110Ω/km max. 220nF/km core to screen
Shielding resistance 20Ω/km max. Test voltage 500V eff. core to core 1000V eff. core to screen

Mfrs. List No. GAC-2 + Colour

207988

Colour	Order Code	Price Per Coil
		1+ 5+ 10+
Black	120-1941●	16.46 14.93 14.03
Blue	120-1942●	18.12 16.41 15.14

GAC-3 3-Core

DELTRON Components

'Reussen Shield' Screen



- 96/0.05mm (0.19mm²) 3 conductor White, Brown, Green plain copper
- Twisted together within viscose fibre layer

- Third conductor provides improved RF rejection or can be used for phantom power
- Sheathed overall in extra flexible matt PVC

Nominal outside diameter 4.8mm Capacitance 185nF/km core to core
Impedance 150Ω 300nF/km core to screen
Conductor resistance 108Ω/km max. Test voltage 500V eff. core to core 2000V eff. core to screen

Mfrs. List No. GAC-3 + Colour

207967

Colour	Order Code	Price Per Reel
		1+ 3+ 5+ 10+
Black	120-1946●	145.59 133.63 126.44 108.53

GAC-4/1 Star Quad 4 Core

DELTRON Components

'Reussen Shield' Screen



- Microphone interconnect cable, designed specifically to minimise noisy electrical environments
- 4-core: White, Ivory, Pink and Red 96/0.05mm (0.19mm²) copper wire

- Quad construction
- Wrapped overall in viscose fibre
- Sheathed overall in ultra flexible velvet Black PVC

Nominal outside diameter 5.4mm Capacitance 65pF core to core 105pF core to shield
Impedance 180Ω 500V eff. core to core 2000V eff. core to screen
Conductor resistance 108Ω/km max. Test voltage 500V eff. core to core 2000V eff. core to screen

Mfrs. List No. GAC 4/1 Black

224062

Order Code	Price Per Coil/Reel		
	1+	5+	10+
5m Coil	120-1948●	12.35	11.37
10m Coil	120-1949●	25.40	23.31
100m Reel	120-1950●	189.83	181.68
			177.79

GAC-7 'Tube' 7-Core

'Reussen Shield' Screen

DELTRON Components

- Specifically for tube (valve) microphone interconnection
- 5 signal cores and two power cores
- Sheathed overall in extra flexible matt finish Grey PVC

Construction (5 Signal Cores)

Conductor 72/0.05mm (0.14mm²) plain stranded copper
Insulation Polyethylene, Green, Yellow, Grey, Black, White
Nominal core dia. 1.1mm
Conductor resistance 40Ω/km

Construction (2 Signal Cores)

Conductor 252/0.05mm (0.5mm²) plain stranded copper
Insulation Polyethylene, Red, Blue
Nominal core dia. 1.5mm
Conductor resistance 145Ω/km
Shield resistance 15Ω/km
Capacitance 90nF/km core to core, 160nF/km core to shield
Test Voltage 500V eff. core to core, 2000V eff. core to shield

Mfrs. List No. GAC-7'Tube'

224063

Coil Length	Order Code	Price Per Coil		
		1+	5+	10+
5m	120-1951●	23.23	21.37	19.78
10m	120-1952●	40.66	37.31	35.24

GAC-2 AES-EBU Digital 2 Core

DELTRON Components

'Reussen Shield' Screen



- 7/0.25mm (0.34mm²) polyethylene sheathed tinned copper conductors red, white
- 2 polyethylene filler cords forming balanced twin axial design

- Inner PVC foil shield with 'Reussen Shield'
- Overall in Purple PVC
- Applications AES-EBU Digital Audio format
- Configured for balanced 110Ω impedance, connection via XLR style connectors
- Note: some systems are configured for 240Ω impedance; these should be terminated with a 20Ω resistor to reconfigure for 110Ω use.

Nominal outside diameter 6.3mm Capacitance 50nF/km @ 800Hz
Impedance 110Ω 300nF/km core to screen
Conductor resistance 62Ω/km max. Attenuation 2dB @ 1MHz
Insulation resistance 106Ω/km max. Mfrs. List No. 439-0150-10-01

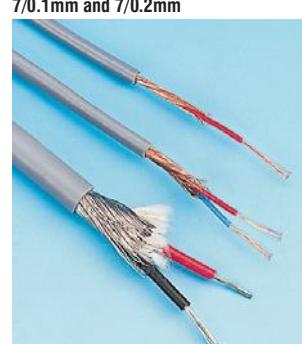
207966

Order Code	Price Per Coil		
	1+	5+	10+
10m Coil	120-1947●	25.53	23.19
			21.73

Single Round, Twin-Oval and Twin-Twisted Pair Round

pro-POWER

7/0.1mm and 7/0.2mm



- PVC insulated 7/0.1mm or 7/0.2mm plain stranded copper conductors
- Twin oval: conductors side by side
- Twin round: conductors **twisted for hum reduction**
- Grey PVC sheathed overall

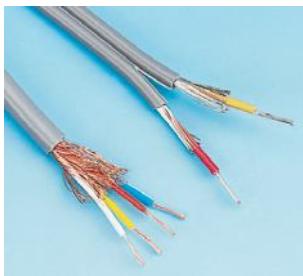
Conductor Size	Nominal Outside Dia.	Capacitance/metres		Insulation Colour	Order Code
		Core/screen	360pF		
7/0.1mm	2mm		320pF	Red	120-2691
7/0.2mm	3.1mm			Blue	120-2692
Twin Oval Conductor Size	Nominal Dimensions	Capacitance/metres		Insulation Colour	Order Code
7/0.1mm	2.8 x 2 mm	Core/Core	180pF	Red, Blue	120-2693
7/0.2mm	4.7 x 3.1 mm	Core/screen	330pF	Red, Blue	120-2694
Twin Twisted Pair Round Conductor Size	Nominal Outside Dia.	Capacitance/metres	Core/core	Insulation Colour	Order Code
7/0.2mm	4.8mm	120pF/m	215pF/m	Red, Black	120-2695

100m Reel						
Conductor Size		Price Per Reel				
Single Round	Order Code	1+	5+	10+	15+	20+
7/0.1mm	120-2691●	19.55	18.97	18.57	16.29	15.71
7/0.2mm	120-2692●	22.25	21.60	20.95	18.56	17.81

208292

Continuous Length in 1m Multiples						
Conductor Size		Price Per Metre				
Twin Twisted Pair Round	Order Code	138-7747●	0.59			
7/0.2mm						

Twin 'Figure-8' and 4-Core 7/0.1mm, 10/0.1mm and 7/0.2mm



- PVC insulated 10/0.1mm or 7/0.2mm plain stranded copper conductors
- Individually screened
- Grey PVC sheathed overall

Twin 'Figure 8'						
Conductor Size	Nominal Dimensions	Capacitance/metre Core/screen	Insulation Colours	Order Code		
10/0.1mm	4.3 X 2.1mm	350pF	Red, Blue	120-2696		
7/0.2mm	5.9 X 2.8mm	320pF	Red, Yellow	120-2697		

100m Reel						
Conductor Size		Price Per Reel				
Twin 'Figure 8'	Order Code	1+	5+	+	+	+
10/0.1mm	120-2696●	26.90	26.16	--	--	--
7/0.2mm	120-2697●	33.75	32.54	--	--	--

208293

Continuous Length in 1m Multiples						
Conductor Size		Price Per Metre				
Twin 'Figure 8'	Order Code	1+				
10/0.1mm	138-7750●	0.50				
7/0.2mm	138-7752●	0.58				

2812X Figure-8 Twin



- Plain annealed copper conductor in a flat figure 8 construction and PVC insulated with one core ribbed for identification.
- Conforms to BS6500, harmonised code H03VH-H.

Nominal overall dimensions 3A 2.8x5.5mm, 6A 3x5.9mm Nominal wall thickness 0.8
Max. operating temperature +70°C Voltage rating 300/300V

208119

100m Reel						
	Order Code	1+	5+	10+		
3A 0.5mm ² (28/0.15)	Black 121-9368●	42.21	39.24	32.71		
	White 121-9369●	21.87	20.33	16.94		
6A 0.75mm ² (42/0.15)	Black 121-9370●	44.16	38.18	33.98		
	White 121-9371●	38.61	33.65	29.94		

Twin Figure 8 Speaker Cable



- PVC insulated plain annealed copper
- Laid in a flat figure 8 construction with markings to indicate polarity

Conductor Area	Conductor Size	Current Rating	Nominal Dimensions (mm)
0.22mm ²	7/0.2mm	1A	4 x 2
0.41mm ²	13/0.2mm	2.5A	4.3 x 2.3
0.68mm ²	24/0.2mm	5A	4.6 x 2.3
1mm ²	32/0.2mm	10A	6 x 3
2.5mm ²	79/0.2mm	20A	6.6 x 3.3

232146

100m Reels						
Conductor Size	Colour	Order Code	1+	5+	10+	25+
7/0.2mm	Grey	378-8003	6.84	6.51	6.18	5.87
7/0.2mm	Black	378-8015	5.45	4.95	4.30	3.85
13/0.2mm	Black Ribbed	378-8040	11.33	10.77	10.23	9.72
24/0.2mm	White	378-8052	20.24	19.23	18.26	17.68
32/0.2mm	White	378-8064	22.01	20.15	19.79	18.62
79/0.2mm	White	378-8076	45.25	42.99	40.84	38.80
79/0.2mm	Black	378-8088	45.25	42.71	40.31	39.53
79/0.2mm	Black Ribbed	378-8090	45.25	42.71	40.31	39.53
1000m Reels						
13/0.2mm	Grey	378-8027	107.48	98.40	93.64	88.43

7/0.25mm (0.34mm²)



- Plain copper wire in a figure '8' PVC insulation with one core ribbed for identification.

Overall dimensions 2.1 x 4.2mm
Voltage rating 60V rms
Current rating 1A
Maximum temperature +70°C
Nominal wall thickness 0.6mm

208212

100m Reel						
Colour	Order Code	1+	5+	10+	25+	Price Per Reel
Black	121-9365●					11.52
Grey	121-9366●					11.52
White	121-9367●					11.52

13/0.2mm (0.41mm²)



- Figure 8 speaker cable
- Plain copper conductors

Nom.Overall dimensions 2.03 x 4.18mm
Voltage rating 60V rms
Current rating 2A
Maximum temperature -15 °C to +70 °C
Nominal wall thickness 0.5mm

208107

100m Reel						
PVC Colour/Polarity Stripe	Order Code	1+	5+	10+	25+	Price Per Reel
Black / White	303-4197	12.85	12.77	12.08	11.61	
Grey / Black	710-192	13.20	13.12	12.41	11.93	
Clear/Rib	120-2749●	33.75	32.90	32.38	26.44	

Blue Series Balanced Audio



Pair insulation:	Cross linked polyethylene (XLPE) 1.00mm diameter
Screen:	Aluminium polyester foil tape
Wire:	19/0.12mm (0.22mm ²) 24AWG tinnes oxygen free copper
Pair sheath:	2.70mm dia.
Overall sheath:	Abrasion resistant PVC composite
Temp. range:	-25°C to +70°C
Conductor resistance:	0.085Ω/km max.
Voltage rating:	250V
Inductance:	0.5μH/m per metre

208197

Continuous length in 1m Multiples						
No. of Pairs	Order Code	1+	10+	25+		
2	136-440	2.71	2.57	2.30		
4	798-459	3.94	3.75	3.38		
8	798-460	5.82	5.53	5.01		
16	798-484	11.06	10.51	9.48		
24	798-496	15.45	14.65	13.26		

Black Series Balanced Audio



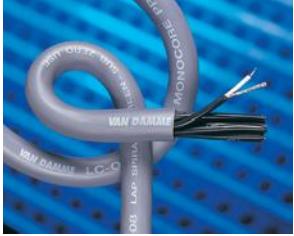
● Tour grade multicore to handle tough and demanding applications
● Conductors have a mylar aluminium/polyester Z-fold screen
● Screen designed to overlap on each conductor to give 150% protection for each pair
● Prevents screen unravelling thus avoids shorting between adjacent earths
● Pairs cabled with flexible fillers and cloth holding tape
● Oxygen Free Copper multicore

Audio Cable - continued**Black Series Balanced Audio - continued**

Pair conductor: 28/0.01mm (0.22mm²) 24 AWG plain Oxygen Free Copper
 Pair insulation: Cross linked polyethylene (XLPE) ~ 1.2mm diameter
 Overall screen: Tinned copper braid - 90% optical coverage
 Drain wire: 19/0.12mm (0.22mm²) 24AWG tinned Oxygen Free Copper
 Overall sheath: Abrasion resistant, PVC composite
 Temp. range: -25°C to +70°C Voltage rating: 250V
 Conductor resistance: 85Ω/km max. Inductance: 0.45μH/m per metre
 Capacitance: <70pF/m core to core
 <125pF/m core to core + screen

208198

Continuous length in 1m Multiples		Price Per Metre		
No. of Pairs	Order Code	1+	10+	25+
8	798-400	5.32	5.05	4.84
16	798-411	9.59	9.11	8.64

Grey Series Unbalanced Audio

Insulation: Cross linked polyethylene (XLPE) 1.45mm diameter
 Screen: 48/0.10mm (0.35mm²) 22AWG tinned Oxygen Free Copper
 Temp. Range: -25°C to +70°C Voltage rating: 250V
 Conductor Resistance: 90Ω/km max. Capacitance: 300pF/metre

208199

- 16-way for interconnection of unbalanced audio equipment
- Individually jacketed and numbered inner cores
- Simple termination
- Flexible PVC sheath
- Low noise, Oxygen Free Copper conductors 14/0.15mm (0.25mm²) 23AWG

Cont. Length in 1m Multiples		Price Per Metre		
No. of Ways	Outside Dia.	Order Code	1+	10+
16	13.2	798-540	8.03	7.62
				6.89

Green Series OFC AES/EBU Digital Multicore

Pre-jacketed 4 and 8 pair



Nominal outside diameter 9.2mm
 Nominal pair diameter 2.9mm
 Conductor insulation Foam Skin Polyolefin
 Screen Aluminium polyester foil

208266

- Specially designed for AES/EBU Digital Audio
- Low noise Oxygen Free Copper conductors 7/0.128mm (0.14mm²) 26 AWG
- Pairs individually jacketed and numbered to aid preparation
- Highly flexible overall PVC jacket
- Low overall diameter
- Use with 25-way 'D' connectors

Continuous Length in 1m Multiples		Price Per Metre		
No. of Pairs	Order Code	1+	10+	25+
4	135-240	4.87	4.53	3.94

Starquad Microphone

● Flexible and easy to handle even at sub-zero temperatures
 ● PVC/neoprene composite non-reflective sheath
 ● Quick and easy preparation and termination

Pair insulation: Cross linked polyethylene (XLPE)
 Capacitance: <190pF/metre core to core
 <195pF/metre core to screen

208201

Vandamme**Cut Lengths Available**

- Multipurpose four-core heavy duty microphone cable
- Designed to combat high interference levels in hostile environments
- Low noise Oxygen Free Copper conductors 40/0.10mm (0.21mm²) 24AWG
- Dense tightly woven tinned Oxygen Free Copper braid screening, 98% coverage 128/0.10mm.
- Natural cotton fillers and a paper separator to reduce electrostatic build up

Voltage rating: 250V
 Nominal outside diameter: 6mm

100m Reel	Order Code	1+	5+	10+
Black	798-228	91.98	79.99	72.41
Blue	798-230	91.98	79.99	72.41
Continuous Length in 1m Multiples				
Black	385-5545	2.63		
Blue	385-5557	1.31		

Microphone**Vandamme****Cut Lengths Available**

- Multipurpose twin core heavy duty microphone cable
- Low noise Oxygen Free Copper conductors 28/0.10mm (0.22mm²) 24AWG
- Flexible PVC/neoprene sheath
- Easy to handle even at sub-zero temperatures
- Dense spiral lap Oxygen Free Copper screening 80/0.10mm.
- Quick and easy preparation and termination

Pair insulation: Cross linked polyethylene (XLPE)
 Capacitance: <100pF/metre core to core
 <160pF/metre core to screen

Conductor Resistance: 84Ω/km max.
 Nominal outside diameter: 6.35mm

208202

100m Reel	Order Code	1+	5+	10+
Black	798-137	83.49	72.61	65.78
Blue	798-149	83.49	72.61	65.78
Red	798-150	83.49	72.61	65.78
Continuous Length in 1m Multiples				
Black	385-5570	2.20		
Blue	385-5582	2.20		
Red	385-5594	1.10		

Balanced Patch**Vandamme****Cut Lengths Available**

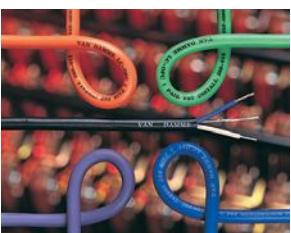
- Reduced diameter twisted pair cable designed specifically for patching
- Low noise Oxygen Free Copper conductors 28/0.10mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- PVC/neoprene composite non-reflective sheath
- Dense tightly woven tinned copper braid screening 96/0.12mm - 95%
- Quick and easy preparation and termination

Pair insulation: Cross linked polyethylene (XLPE)
 Pair colours: Red, Green
 Temp. range: -25°C to +70°C

Voltage rating: 250V
 Conductor Resistance: 84Ω/km max.
 Nominal outside diameter: 4.85mm ± 0.10mm

208203

100m Reel	Order Code	1+	5+	10+
Black	798-551	82.82	74.24	70.08
Blue	798-563	82.82	74.24	70.08
Red	798-575	82.82	74.24	70.08
Grey	798-599	82.82	74.24	70.08
Continuous Length in 1m Multiples				
Black	385-5636	1.71		
Blue	385-5648	1.71		
Red	385-5650	0.86		
Grey	385-5673	0.86		

One Pair Installation.**Vandamme****Cut Lengths Available**

- Designed for fixed wiring audio installation purposes
- Used by the majority of Europe's top recording studios
- Reduced overall diameter with superb electrical performance
- Foil screen bonded to outer sheath, both can be removed in one action
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Ideal for cable forming when wiring patch panels
- Abrasion resistant, anti-kink PVC sheath

Pair insulation: Cross linked polyethylene (XLPE)
 Screen: foil tape
 Drain wire: 7/0.2 OFC (0.22mm²)
 Temp. range: -25°C to +70°C
 Capacitance: <90pF/m core to core
 <189pF/m core to screen

Conductor Resistance: 78Ω/km max.
 Voltage rating: 250V
 Nominal outside diameter: 3.5mm ± 0.10mm

208204

		Price Per Reel/Metre		
100m Reel	Order Code	1+	5+	10+
Black	798-289	33.19	28.90	27.83
Blue	798-307	33.19	28.90	27.83
Red	798-320	32.22	28.06	27.02
Green	798-344	33.19	28.90	27.83
Orange	798-381	33.19	28.90	27.83
500m Reel				
Black	798-290	155.74	132.69	129.20
Continuous Length in 1m Multiples				
Black	385-5697	0.88		
Blue	385-5703	0.88		
Red	385-5715	0.43		
Orange	385-5740	0.43		

Musical Instrument Cable

- Single core screened cable for musical instrument connection
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- PVC/neoprene composite non-reflective sheath
- Dense tightly woven tinned Oxygen Free

Cut Lengths Available

- Copper braid screening 80/0.10mm
- Additional tubed thermoplastic carbon screen
- Cable construction gives totally silent performance

Insulation: Foamed Polyethylene 1.2mm dia. Capacitance: <110pF/m
Conductor resistance: 78Ω/km max. Voltage rating: 250V
Screen resistance: 33Ω/km max. Nom. outside dia.: 6mm±0.15mm

208192

		Price Per Reel/Metre		
100m Reel	Order Code	1+	5+	10+
Black	798-198	78.01	73.35	67.40
Blue	798-204	70.30	61.12	55.14
Continuous Length in 1m Multiples				
Black	385-5752	1.66		
Blue	385-5764	1.66		

Phono Patch Cable

- For use with connectors with small cable entry e.g. phono, jacks
- Low noise Oxygen Free Copper conductors 7/0.20mm (0.22mm²) 24AWG
- Flexible and easy to handle even at sub-zero temperatures
- Abrasion resistant anti-kink PVC/neoprene sheath

Cut Lengths Available

Insulation: Foamed polyethylene 1.20mm diameter
Screen 1: Tubed thermoplastic conductive carbon
Screen 2: 80/0.10mm close lap spiral Oxygen Free Copper
Temp. Range: -25°C to +70°C Conductor Resistance: 78Ω/km max.
Screen resistance: 33Ω/km max. Capacitance: <110pF/metre
Voltage rating: 250V Nom. outside dia.: 4.8mm±0.10mm

208193

		Price Per Reel/Metre		
100m Reel	Order Code	1+	5+	10+
Black	798-253	73.56	63.97	57.45
Continuous Length in 1m Multiples				
Black	385-5788	1.48		

Professional Loudspeaker Cable

- Designed for use with 2 pole, 4 pole and 8 pole loudspeaker connectors
- Low noise Oxygen Free Copper conductors
- Flexible, round and easy to handle, even at sub-zero temperatures
- PVC/neoprene composite rugged sheath, abrasion resistant
- Used by Europe's leading professional audio companies
- Quick and easy preparation and transmission

Cut Lengths Available

Conductor resistance: 0.75mm² 23.2Ω/km max.
1.5mm² 11.2Ω/km max.
2.5mm² 6.8Ω/km max.
4mm² 4.3Ω/km max.

Temp. range: -30°C to +80°C
Working voltage: 300/500V

208187

Conductor	Reel Length	Nominal Dia.	Order Code	1+	5+	10+
2/0.75mm ²	100m	5.6	135-161	79.20	70.63	64.15
2/1.5mm ²	100m	6.5	798-617	101.34	88.11	79.08
2/2.5mm ²	100m	7.6	798-629	153.54	133.51	120.09
2/4mm ²	50m	11	798-630	133.69	116.26	109.66
4/2.5mm ²	50m	12	798-642	127.83	111.16	105.06
Continuous Length in 1m Multiples						
2/1.5mm ²		6.5	385-5820		2.32	
2/2.5mm ²		7.6	385-5843		3.91	

Hi-Fi Cable

vandamme



- Ultra fine Oxygen Free Copper cores laid up to minimise skin effect
- Flexible soft PVC/neoprene sheath
- Side by side shotgun construction
- Easy termination to individual connectors
- Used by top U.K. studios for critical monitoring applications

Cut Lengths Available

Conductor: 2.50mm² ≈ 7/46/0.10mm non tinned linear crystal

Conductor resistance 6.5Ω/km max.
Twin Interconnect

Capacitance
≈<53pF/metre
≈<97pF/metre

208188

50m Reel	Order Code	1+	5+	10+
2/2.50mm ²	798-678	72.44	65.29	61.30
Twin Interconnect	798-708	132.67	115.36	108.07
Continuous Length in 1m Multiples				
2/2.50mm ²	385-5843	3.91		
Twin Interconnect	385-5855	6.82		

OFC Video Coaxial 75Ω

vandamme



- Highly flexible robust construction
- Solid polyethylene insulated Oxygen Free Copper conductors 7/0.2mm (0.2mm²)
- 95% coverage braid screen
- PVC/Neoprene antistatic composite sheath
- Remains flexible at low temperatures
- Designed for use with RG59 size crimp BNCs

Cut Lengths Available

Nom. Outside diameter 6.1mm
Capacitance 67pF/m
Weight 5kg

Attenuation per 100m 1.2db @ 1MHz
2.5db @ 4.4MHz
3.7db @ 10MHz

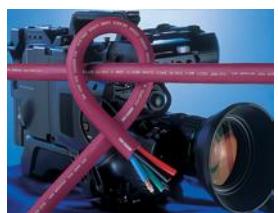
208268

100m Reel	Order Code	1+	5+	10+
Black	135-173	70.63	63.57	57.22
Red	135-185	66.58	59.92	53.93
Green	135-197	70.63	63.57	57.22
Blue	135-203	70.63	63.57	57.22
Continuous Length in 1m Multiples				
Black	385-5867	1.82		
Red	385-5879	0.91		
Green	385-5880	0.91		
Blue	385-5892	0.91		

Red Series OFC Video Coaxial Multicore 75Ω

vandamme

4 and 5 Core



- Multicore versions of single OFC video coaxial
- Designed for RGB and sync. signal transmission
- Very low loss for extended distance (up to 300m)
- Suitable for signals up to 300MHz
- Flexible PVC/Neoprene antistatic composite sheath

Nom. Outside diameter 17mm (4 core)
18.7mm (5 core)
Sheath colour Red (RAL 3004)
Core colours Red, Green, Blue, Black(4 core)
Red, Green, Blue, Black, Cream(5 core)

208267

Continuous Length in 1m Multiples	No. of cores	Order Code	1+	10+	25+
4		135-227	5.34	4.80	4.32
5		135-239	6.18	5.54	5.00

Audio Cable - continued

Universal Multicore Camera Cable

**Vandamme**

- Designed for interconnection of professional cameras to VTRs or CCUs
- Long cable runs can be used in confidence
- Video cores are precision 75Ω types
- Low overall diameter 13.0mm
- Can be terminated in 14 or 26 pole type connectors

4x0.6mm Tracer

Conductor: Tinned copper 19/0.2mm
Insulator: PVC diameter 1.85mm
Colour: 2 white, 2 black

7x75R Coaxial Element

Conductor: Tinned copper 7/0.127mm
Dielectric: Foam skin P.E. 1.6mm diameter
Shield: Tinned copper spiral
Jacket: PVC diameter 2.25mm
Colours: Black, Yellow, Grey, Blue, Red, Brown, White

1x50R Coaxial Element

O.D.: 1.90mm
Colour: Grey

2 x Individually Screened and Jacketed Twisted Pairs

Conductor: 2 twisted conductor
Insulation: PVC
Screen: Tinned copper braid
pair colours: Red, White
Jacket: PVC 1, Black, 1 Grey

5 x 0.12mm Tracer

Conductor: Tinned copper wire
Colours: Red, Yellow, Orange, Brown, Green
O.D.: 1.3mm

208189

Continuous Length in 1m Multiples

	Order Code	1+	5+	10+	Price Per Metre
Camera cable	798-710	16.01	13.93	12.41	

1

RGB + Sync

**Vandamme**

- Miniature coaxial cable designed for RGB + sync signals
- 75Ω precision individual cores
- Overall diameter allows cable to be used with D sub-miniature connectors if required

Cut Lengths Available

- 4 core RGB + Sync, 5 core RGB + Sync and Hold
- Applications professional video, computer monitor etc., where separate syncs are required

Individual coaxes (7/0.13) mm tinned copper
Dielectric foam polyethylene 1.6mm diameter
Tinned copper braid screen giving 95% coverage

Overall core diameter 2.54mm
Core colours Red, Green, Blue, White 5th core Black
Sheathed overall in dark Red flexible PVC

208234

50m Reel

No. of Cores	Nominal Outside Diameter	Order Code	1+	5+	10+	25+	Price Per Reel/Metre
4	8.85	594-910	201.93	191.85	181.06	168.32	
5	9.6	596-188	240.62	228.59	215.73	200.57	

Digital Audio Installation Cable - 1 Pair

**Vandamme**

- Stranded, small diameter designed for patch panel and rack wiring, for digital audio signals
- Low capacitance figures (<38pF/m core to core, <78pF/m core to screen)

Cut Lengths Available

- 110Ω impedance
- Foamed polyolefin insulation
- Flexible PVC sheath
- Recommended for MIDI and time code purposes

Pair conductor: 7/0.2mm (0.22mm²) 24AWG plain copper
Screen: Aluminium Polyester bonded tape
Drain Wire: 7/0.20mm (0.22mm²) 24AWG tinned copper
Attenuation (100M): 2.156dB @ 1 MHz, dB @ 4 MHz, dB @ 10 MHz, dB
DB @ 16 MHz, dB @ 20 MHz, 4.347dB
Temp. range: -20°C to +70°C
Voltage rating: 250V
Nominal Outside Dia.: 3.9mm

208190

Reel Length	Order Code	1+	5+	10+	Price Per Reel/Metre
100m	798-721	42.39	35.32	32.11	
500m	798-733	192.61	160.53	133.76	
Continuous Length in 1m Multiples	385-5934	1.08			

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Ribbon Cable

Flat Flexible Cable

0.5mm, 1.0mm and 1.25mm Pitch

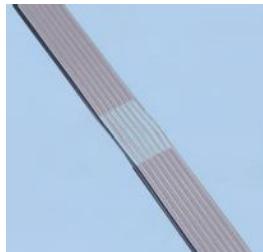


- Flat flexible cable for use with FFC/ FCP range of connectors
- Reinforcing tape bonded to underside for cable to ensure easy and accurate insertion into the connector
- Overall length 210mm

Insulation Material	Polyester (Flame Resistant)	Max operating temperature	80°C 209525
---------------------	-----------------------------	---------------------------	----------------

No. of Ways	Order Code	1+	25+	50+	100+	250+	Price Each
0.5mm Pitch							
10	145-5401●	2.04	1.86	1.75	1.60	1.58	
14	145-5402●	2.13	1.93	1.84	1.68	1.62	
16	145-5403●	2.42	2.28	2.11	1.99	1.89	
20	145-5404●	2.52	2.26	2.19	2.05	1.96	
24	145-5405●	2.68	2.42	2.24	2.00	1.90	
30	145-5406●	2.70	2.52	2.39	2.19	2.07	
35	145-5407●	3.33	3.11	2.99	2.59	2.46	
40	145-5408●	4.48	3.95	3.62	3.21	3.10	
45	145-5409●	4.80	4.49	3.76	3.34	3.19	
50	145-5410●	5.00	4.58	4.05	3.49	3.30	
1mm Pitch							
10	145-5411●	1.01	0.94	0.89	0.78	0.73	
14	145-5413●	1.11	1.04	1.02	0.93	0.88	
16	145-5415●	1.24	1.18	1.14	1.06	1.05	
20	145-5416●	1.32	1.23	1.20	1.14	1.12	
26	145-5417●	1.61	1.55	1.52	1.43	1.38	
30	145-5418●	2.23	2.16	2.11	1.93	1.85	
1.25mm Pitch							
4	145-5419●	0.58	0.52	0.51	0.46	0.43	
6	145-5420●	0.60	0.58	0.55	0.51	0.47	
8	145-5421●	0.71	0.65	0.63	0.57	0.53	
10	145-5422●	0.77	0.70	0.69	0.64	0.59	
14	145-5423●	1.05	0.95	0.90	0.83	0.78	
16	145-5425●	1.16	1.08	1.04	0.97	0.89	
20	145-5426●	1.81	1.67	1.61	1.50	1.43	
30	145-5427●	2.02	1.83	1.77	1.63	1.55	
40	145-5428●	2.67	2.59	2.49	2.41	2.34	

0.1" Pitch IDT Notched Ribbon Cable

molex

Single 25mm notch 152.4mm (6") between notching

7307 — 28 AWG 0.5A

Cable size 0.086mm² stranded (7/36 AWG) Connector 7720S - Colour code (Brown)
Colour Grey

Mfrs. List No. 888-xx-0016 where xx = number of ways

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	1+	5+	Price Per 30.5m Reel
3	131-3462●	3.37	3	131-3396●	44.16	39.35	
4	131-3463●	3.96	4	131-3397●	43.22	38.58	
5	131-3464●	4.36	5	131-3398●	52.65	46.91	
6	131-3465●	4.83	6	131-3399●	54.69	48.78	
8	131-3466●	5.73	8	131-3401●	64.79	57.75	
10	131-3467●	6.76	10	131-3402●	75.79	67.68	
12	131-3468●	7.64	12	131-3403●	86.95	77.49	

7234 — 26 AWG 1.4A

Cable size 0.124mm² solid (1/26 AWG) Connector 7720S - Colour code (Green)
Colour Light Grey

Mfrs. List No. 882-xx-0016 where xx = number of ways

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	1+	5+	Price Per 30.5m Reel
6	131-3458●	4.25	6	131-3392●	38.06	33.95	
8	131-3461●	5.08	8	131-3394●	57.46	51.25	



Edge Bonded7/0.2mm (0.22mm²), 16/0.2mm (0.5mm²)

- Colour coded PVC insulated 7/0.2mm (0.22mm²) or 16/0.2mm (0.5mm²) tinned copper conductors
- Edge bonded to form a neat and convenient ribbon cable which can be easily separated for discrete wiring
- Available in 10, 20 or 30 way versions

Max. operating temperature	70°C	Voltage rating	300V rms	Conductors	Conductor	Width (mm)	Thickness	Capacitance core/core	Current rating @ 25°C
7/0.2mm	0.22mm ²	14.0	28.0	30w	42.0		50pF/m	2A	
16/0.2mm	0.5mm ²	15.5	31.0	—	—	1.55mm	65pF/m	4A	

Colour Code Sequence: Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White.

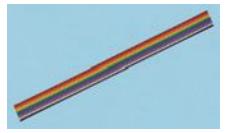
Note: Not suitable for use with IDC connector system.

208061

No. of Ways	Reel Length	Order Code	Price Per Reel 1+	5+	10+
7/0.2mm					
10	10m	120-2508●	12.88	12.03	11.28
10	25m	120-2511●	30.77	28.72	26.93
10	50m	120-2513●	62.01	57.87	54.25
20	10m	120-2514●	19.21	18.26	17.33
20	25m	120-2515●	48.15	45.80	43.44
20	50m	120-2516●	96.78	92.06	87.30
30	10m	120-2517●	31.19	29.65	27.75
16/0.2mm					
10	25m	120-2518●	68.01	62.78	58.29
20	25m	120-2519●	94.11	91.65	89.31
20	50m	120-2520●	132.06	127.43	123.12

Bonded - Non IDC

28 AWG - 7/36 Tinned Copper



- Not designed for IDC
- Conductors easily separated for circuit routing
- Colour coded

H = 0.035". W = H x n_{conductors}

Conductors 28AWG, 7/36AWG Tinned Copper Current Rating 1.3A @ 10°C Rise above Ambient
Insulation 0.010" PVC Insulation Resistance 100Gohm - 10 ft. Min.
Voltage Rating 300V Temperature Rating 105°C

Mfrs. List No. 111-2803-008=130-0949 111-2803-008=130-1013 111-2803-010=130-1014
111-2803-010=130-0950

450366

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel		
Conductors	Order Code	Price Per m	Order Code	1+	5+	10+
8	130-1013●	2.96	130-0949●	37.87	36.35	318.36
10	130-1014●	3.26	130-0950●	41.88	40.20	38.18

Colour Coded - IDC

3C Planer Cable



- Low cost cable designed for IDC termination
- Double contour allows either side termination
- Colour coded for conductor recognition



Series Pitch Current rating Wire gauge Capacitance Impedance
135-2406 2.54mm 2.1A 24AWG, 7/32AWG, Tinned Copper 11.7pF/ft @ 1MHz 120ohm
135-2607 2.54mm 1.7A 26AWG, 7/34AWG, Tinned Copper 10pF/ft @ 1MHz 140ohm
135-2605 1.27mm 1.7A 26AWG, 7/34AWG, Tinned Copper 16pF/ft @ 1MHz 90ohm
Voltage rating 300V Insulation resistance 100Gohm - 10 ft. Min.
Temperature rating 105°C

Mfrs. List No. 135-2406-3xx, 135-2607-3xx and 135-2605-3xx where xx = No. of conductors

450390

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel		
Conductors	Order Code	Price Per m	Order Code	1+	5+	10+
135-2406 Series						
4	130-1021●	2.45	130-0955●	40.72	39.09	37.13
6	130-1022●	3.68	130-0956●	45.09	43.27	37.13
8	130-1023●	4.08	130-0958●	31.25	30.00	37.13
10	130-1024●	4.30	130-0959●	51.64	49.57	37.13
12	130-1025●	3.79	130-0960●	63.00	60.47	37.13
14	130-1026●	6.01	130-0961●	57.50	55.20	37.13
16	130-1027●	5.06	130-0962●	83.98	80.62	37.13
20	130-1028●	6.32	130-0963●	61.74	59.27	37.13
135-2607 Series						
4	130-1029●	1.80	130-0964●	29.93	28.71	37.13
6	130-1030●	2.69	130-0965●	32.95	31.63	37.13
8	130-1031●	3.08	130-0966●	37.59	36.08	37.13
10	130-1033●	3.30	130-0967●	40.35	38.72	37.13

Continuous Length in 1m Multiples			30.5m Reel	Price Per Reel		
Conductors	Order Code	Price Per m	Order Code	1+	5+	10+
135-2607 Series						
12	130-1034●	1.31	130-0968●	43.33	41.60	37.13
14	130-1035●	4.46	130-0971●	54.45	52.27	37.13
16	130-1036●	4.25	130-0972●	52.99	50.87	37.13
20	130-1037●	4.39	130-0973●	58.21	55.88	37.13
135-2605 Series						
10	130-1038●	3.95	130-0974●	48.10	46.18	37.13
16	130-1039●	4.18	130-0975●	37.54	36.04	37.13
20	130-1040●	4.41	130-0976●	53.84	51.66	37.13
26	130-1041●	5.73	130-0977●	51.48	49.42	37.13
34	130-1042●	5.97	130-0978●	79.21	76.05	37.13
40	130-1043●	8.68	130-0979●	105.92	101.66	37.13
50	130-1045●	7.13	130-0980●	118.34	113.60	37.13
60	130-1046●	8.42				37.13
64	130-1047●	11.11	130-0983●	135.64	130.20	37.13

2.54mm (0.1") Fixed Pitch Extruded**7/0.203mm (0.23mm²)**

- Tinned copper conductors in coloured extruded flexible PVC sheath
- Ideal for interconnections involving repeated or continuous flexing.

Conductors 7/0.203mm² AWG Nominal current rating 1.4A
Voltage rating 300V PVC radial thickness 0.3mm
Operating temperature 70°C Nominal Conductor area 0.22mm²

Colour Code Sequence: Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White.

208380

Continuous length in 5m Multiples			50m Reel	Price Per Reel		
Cond- uctors	Order Code	Price Per m 5-50	Order Code	1+	5+	10+
4	150-431●	1.02	150-427●	22.59	19.96	16.95
6	150-432●	1.43	150-428●	32.89	29.04	24.69
8	150-433●	1.83	150-429●	47.56	41.92	35.70
10	150-434●	2.36	150-430●	58.73	51.86	44.05

Note: Cut lengths must be ordered in 5m multiples e.g. 5m, 10m, 15m

Grey 1.27mm (0.05") Pitch

- Manufactured in VW-1 flame retardant Grey PVC sleeving
- The first conductor is identified by a Red leading edge

Wire gauge	28AWG stranded 7/0.127mm tinned copper	Impedance	100Ω
Temperature rating	105°C	Capacitance	45pF/m
Voltage rating	300V	Inductance	1.45μH/m
Propagation delay	4.2ns/m	Insulation resistance	1GΩ/m
		Conductor resistance	237Ω/km

246415

30.5m Reels	Order Code	1+	5+	10+
8	918-7111●	19.74	16.60	13.21
9	918-7120●	19.74	16.60	13.21
10	918-7138●	20.96	18.87	16.98
14	918-7146●	26.22	23.60	21.24
15	918-7154●	31.45	28.30	25.47
16	918-7162●	29.94	26.96	24.26
20	918-7170●	37.45	33.71	30.34
24	918-7189●	32.64	29.38	26.44
25	918-7197●	46.81	42.13	37.92
26	918-7200●	48.65	43.78	39.39
34	918-7219●	61.27	55.15	49.63
36	918-7227●	68.42	61.58	55.42
37	918-7235●	49.69	44.72	40.25
40	918-7243●	68.42	61.58	55.42
50	918-7251●	76.91	69.23	62.30
60	918-7260●	82.70	74.44	66.99
64	918-7278●	87.42	78.68	70.81

For Cable Clips see page 104

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Ribbon Cable - continued

High Flex Life 1.27mm (0.05")

Tyco Electronics



Cut Lengths Available

- Manufactured from Grey PVC with plain copper conductors
- Flex life of 20 million cycles
- UL style 2651**

Wire gauge 28AWG (19/40AWG) stranded
Temperature rating 105°C
Voltage rating 300V rms
Impedance 100Ω
Velocity of propagation 4.53ns/m

Capacitance 46pF/m
Inductance 0.51μH/m
Insulation resistance 10¹⁰Ω
Colour Grey

Mfrs. List No. (185-xx) where xx = No. of conductors

239325

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code			Price Per Reel		
Conductors	Order Code		1+	5+	10+			
10	414-6013●	5.74	414-5872●	86.33	72.40	56.91		
20	414-6037●	8.79	414-5896●	148.79	124.77	98.05		
26	414-6049●	10.59	414-5902●	158.94	133.28	104.73		

Round Conductor Flat Cable 0.64mm (0.025") Pitch

3M



- Close spacing permits higher signal density
- TPE insulation provides excellent transmission properties
- 30 AWG (0.254) Tinned solid copper conductors

Wire gauge 30AWG stranded
Temperature rating -40 to 105°C
Voltage rating <50V
Current rating 1A
Impedance 90Ω*

Capacitance 54.1pF/m*
Inductance 0.43μH/m*
Insulation resistance >1 x 10¹⁰Ω/10ft (3m)
Colour Grey

* unbalanced, measured between ground-signal-ground conductors.
Mfrs. List No. 3749 + No. of Conductors

382241

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code			Price Per Reel		
Conductors	Order Code		1+	3+				
20	120-7757▲	1.64	120-7749▲	48.47	46.77			
26	120-7758▲	2.15	120-7750▲	74.53	71.88			
40	120-7759▲	3.29	120-7752▲	109.98	103.28			
50	120-7760▲	3.34	120-7753▲	113.54	110.47			
80	120-7761▲	6.36	120-7754▲	214.56	205.66			
100	120-7762▲	7.46	120-7755▲	248.52	236.72			

Medium Flex Life 1.27mm (0.05") Pitch

3M

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code			Price Per Reel		
Conductors	Order Code		1+	3+				
20	120-7757▲	1.64	120-7749▲	48.47	46.77			
26	120-7758▲	2.15	120-7750▲	74.53	71.88			
40	120-7759▲	3.29	120-7752▲	109.98	103.28			
50	120-7760▲	3.34	120-7753▲	113.54	110.47			
80	120-7761▲	6.36	120-7754▲	214.56	205.66			
100	120-7762▲	7.46	120-7755▲	248.52	236.72			

- UL recognised (Style 2651)** manufactured in VW-1 flame retardant Grey PVC insulation
- Tinned stranded copper conductors
- Flex life of 10 million cycles at 1 1/4 inch diameter

● 19 strands of tinned copper provide extended flex life for dynamic applications

Wire gauge 28AWG (19/40AWG) tinned stranded
Temperature rating -20°C to 105°C
Voltage rating 300V
Impedance 106Ω

Capacitance 43.8pF/m
Inductance 0.49μH/m
Propogation delay 4.66ns/m
Velocity of propogation 72%
Colour Grey

Mfrs. List No. 3539 + No. of Conductors

239333

Continuous Length in 1m Multiples		Price Per m	30.5m Reel Order Code			Price Per Reel		
Conductors	Order Code		1+	3+				
10	414-1155●	5.93	414-0709●	89.31	80.79	67.66		
20	414-1180●	5.79	414-0734●	174.05	157.41	131.85		
40	414-1210●	9.70	414-0760●	292.74	264.80	221.76		

Over 480,000 products online

QGO

Clear 2.54mm (0.1") Pitch

SPC pro-POWER



- Flat plain copper conductors encased in a highly flexible polyester/PVC material
- Rugged but flexible cable can be cut down from 34 ways as required
- Ideal for use where space is limited and high flexibility and reliability is required
- Suitable for use with Berg Clincher connectors: see Connectors - IDC Section

208347

3.05m Reel No. of Ways	Order Code	1+	Price Per Reel 5+	10+
34	120-2507●	58.63	51.25	44.03

Grey 0.64mm (0.025") Pitch

Tyco Electronics



- UL recognised (Style 2678)**, Flame retardant PVC insulated jacket
- The first conductor is identified by a Red leading edge.

208247

30.5m Reels Conductors	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	1-57013-3	117-4561●	16.07	13.57	10.34	8.56
26	2-57013-5	117-4562●	29.58	19.91	15.15	12.99
68	2-57013-1	117-4565●	79.43	53.48	40.70	34.89

Grey 0.635mm (0.025") Pitch

3M



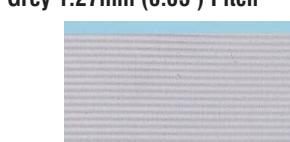
The 0.635mm (0.025") grey PVC insulation flat ribbon cable is used with 3M P25E 1.27mm (0.050") sockets, 82xx-600xx sockets and all other cable mounted connectors on 1.27mm pitch. 30AWG stranded conductors provides flexibility and extended life. The cable is zippable for branching or discrete termination.

481460

Continuous Length in 1m Multiples	Price Per m	91.5m Reel		
Conductors	Order Code	1+	5+	10+
50	144-0122●	4.53	184.15	176.79
60	144-0124●	5.43	220.97	212.13
80	144-0125●	7.24	294.62	282.83
100	144-0126●	9.04	368.27	353.55
	143-6552●			169.70
	143-6553●			203.63
	143-6554●			271.52
	143-6555●			339.38

Grey 1.27mm (0.05") Pitch

3M



Cut Lengths Available

- UL recognised (Style 2651)**, manufactured in VW-1 flame retardant PVC insulation
- The first conductor is identified by a Red leading edge

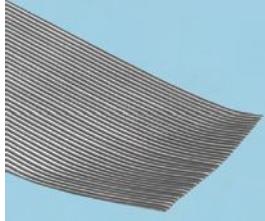
Mfrs. List No. 3365 + No. of Ways

Wire gauge	28AWG stranded 7/36AWG tinned copper	Capacitance	42pF/m
Temperature rating	105°C	Inductance	0.49μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	108	Colour	Grey

208383



Continuous Length in 1m Multiples	Price	30.5m Reel	Price Per Reel
9	297-276●	1+	1+
10	297-288●	0.89	296-790●
14	297-290●	1.04	20.34
15	297-306●	1.42	18.98
16	297-318●	1.10	21.02
20	297-320●	30.17	19.32
25	297-331●	41.73	28.14
26	297-343●	34.92	37.25
30	297-355●	2.50	32.21
34	297-367●	2.64	58.65
36	297-379●	3.42	54.24
40	297-380●	4.03	259.45
44	297-392●	4.79	232.19
50	414-1039●	5.09	
60	414-1039●	6.04	
64	414-1039●	6.59	

Grey 2.54mm (0.1") Pitch

For use with 3M CHG 2.54mm sockets. 2.54mm (0.1") pitch designed for power applications requiring higher current carrying capability.

- Dark grey PVC insulation, light grey PVC carrier
- Individually insulated conductors are laminated to a PVC backing which can be zipped apart for branching or discrete terminations.
- Red marking on edge of cable denotes conductor no.1



Wire gauge	22AWG
Temperature rating	7 x 30AWG / 7 x 0.254 Tinned Stranded Copper
Voltage rating	-20°C to 105°C
Impedance	300V
Capacitance	119Ω
Inductance	36.1pF/m
Propogation delay	0.49μH/m
Velocity of propogation	4.27ns/m
Mfrs. List No.	(8124-xx) where xx = No. of conductors

510385

**Halogen Free 1.27mm (0.05") Pitch**

- UL recognised (Style 20930), manufactured in low toxicity VW-1 flame retardant halogen-free polyolefin insulation
- The first conductor is identified by a Red leading edge



Wire gauge	28AWG stranded
Temperature rating	7/36AWG
Voltage rating	105°C
Impedance	300V
Mfrs. List No.	2010 + No. of Ways

224064

Continuous length in 1m Multiples	Order Code	Price Per m	30.5m Reel		Price Per Reel
Conductors	Order Code	Order Code	1+	5+	10+
10	297-665●	3.93	297-185●	152.63	143.35
14	414-1088●	4.82	414-0631●	94.23	88.35
16	414-1090●	4.93	414-0643●	113.09	102.29
20	297-690●	6.55	297-215●	210.14	197.39
26	297-707●	5.80	297-227●	225.65	211.97
34	297-719●	7.09	297-239●	251.55	236.25
40	414-1120●	8.27	414-0679●	193.32	181.10
50	297-732●	8.57	297-252●	316.71	297.47
64	414-1143●	13.02	414-0692●	339.80	315.72

Colour Coded 1.27mm (0.05") Pitch

- UL recognised (Style 20462), manufactured in VW-1 flame retardant PVC insulation
- Colour coded for easy wire identification

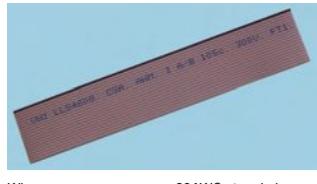


Capacitance	46.2pF/m	Insulation resistance	10 ¹⁰ Ω/10ft(3m)
Inductance	0.49μH/m	Colour	10 Colour Repeat
Wire gauge	28AWG 7/36AWG tinned copper	Temperature rating	80°C
		Impedance	105Ω
		Voltage rating	300V

Mfrs. List No. 3302 + No. of Ways

208384

Continuous Length in 1m Multiples	Price Per m	30.5m Reel		Price Per Reel		
Conductors	Order Code	Order Code	1+	3+	5+	10+
9	120-7415●	1.27	116-6714●	32.54	30.17	28.82
10	120-7417●	1.42	119-7080●	36.27	33.56	32.21
14	120-7418●	1.28	116-6716●	50.85	47.46	45.43
16	120-7419●	2.27	116-6717●	58.31	54.24	51.87
20	120-7420●	2.82	116-6718●	72.21	67.12	64.41
25	120-7421●	2.14	116-6719●	90.85	84.75	81.02
26	120-7422●	2.38	116-6720●	94.24	87.80	84.07
40	120-7423●	5.65	119-7081●	149.16	138.65	132.89
50	120-7424●	7.05	119-7082●	182.04	169.16	162.04
64	860-6811●	6.55	860-6730●	230.52	216.62	207.47

Grey 1mm Pitch

- UL recognised (Style 2651), manufactured in a flame retardant PVC sleeving
- The first conductor is identified by a Blue leading edge.
- CSA approved

Wire gauge	28AWG stranded	Impedance	83Ω
Temperature rating	7/36AWG tinned copper	Capacitance	60pF/m
Voltage rating	-20°C to +105°C	Inductance	0.5μH/m
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	(191-2815-0xx) where xx = No. of conductors		

481385

Continuous Length in 1m Multiples	Price Per m	30.5m Reel		Price Per Reel	
Conductors	Order Code	Order Code	1+	5+	10+
10	144-0148●	0.89	143-5822●	11.79	11.44
20	144-0149●	1.22	143-5823●	16.17	15.69
34	144-0150●	1.70	143-5824●	22.54	21.87
44	144-0151●	2.05	143-5825●	27.19	26.39

Wire gauge	28AWG stranded	Impedance	105Ω
Temperature rating	7/36AWG tinned copper	Capacitance	45.9pF/m
Voltage rating	-20°C to +105°C	Inductance	0.59μH/m
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	191-280-1 + No. of Ways		

208381

Continuous Length in 1m Multiples	Price Per m	30.5m Reel		Price Per Reel	
Conductors	Order Code	Order Code	1+	5+	10+
9	120-7434●	0.65	117-0216●	24.06	20.85
10	120-7436●	1.30	117-0217●	16.83	15.64
14	120-7437●	1.63	117-0218●	21.97	20.35
15	120-7438●	0.92	117-0219●	22.27	20.64
16	120-7439●	0.96	117-0220●	24.97	23.17
20	120-7440●	2.45	117-0221●	31.52	29.23
24	120-7442●	1.37	117-0222●	35.48	32.89
25	120-7443●	2.01	117-0224●	37.06	34.35
26	120-7444●	2.90	117-0225●	37.76	35.03
34	120-7445●	3.40	117-0226●	45.22	41.89
37	120-7446●	2.19	117-0227●	56.95	52.73
40	120-7447●	4.68	117-0228●	59.77	55.37
50	120-7448●	5.64	117-0229●	73.61	68.24
60	120-7449●	3.45	117-0230●	121.55	100.52
64	120-7450●	6.99	117-0231●	90.62	83.98

Wire gauge	28AWG stranded	Impedance	100Ω
Temperature rating	7/36AWG tinned copper	Capacitance	13pF/m
Voltage rating	-40°C to +90°C	Inductance	0.17μH/ft
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	(193-2890-0xx) where xx = No. of conductors		

Wire gauge	28AWG stranded	Impedance	100Ω
Temperature rating	7/36AWG tinned copper	Capacitance	13pF/m
Voltage rating	-40°C to +90°C	Inductance	0.17μH/ft
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	(193-2890-0xx) where xx = No. of conductors		

Wire gauge	28AWG stranded	Impedance	100Ω
Temperature rating	7/36AWG tinned copper	Capacitance	13pF/m
Voltage rating	-40°C to +90°C	Inductance	0.17μH/ft
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	(193-2890-0xx) where xx = No. of conductors		

Wire gauge	28AWG stranded	Impedance	100Ω
Temperature rating	7/36AWG tinned copper	Capacitance	13pF/m
Voltage rating	-40°C to +90°C	Inductance	0.17μH/ft
Current rating	300V	Insulation resistance	10 ¹⁰ Ω
Mfrs. List No.	(193-2890-0xx) where xx = No. of conductors		

Ribbon Cable - continued**Grey 1.27mm (0.05") Pitch - Halogen Free - continued**

481437

Continuous Length in 1m Multiples	Price Per m	30.5m Reel Order Code	1+	5+	10+
Conductors	Order Code	Order Code			
10	144-0161●	143-5834●	41.02	39.79	37.80
20	144-0162●	143-5835●	53.15	51.56	48.98
26	144-0163●	143-5836●	80.56	78.13	74.23
34	144-0164●	143-5837●	82.89	80.41	76.39
40	144-0165●	143-5839●	84.44	81.92	77.82
50	144-0166●	143-5841●	64.25	62.33	59.21
64	144-0167●	143-5842●	133.63	129.61	123.13

Colour Coded 1.27mm

(0.05") Pitch



Cut Lengths Available



- UL recognised (Style 20067) for internal wiring of electronic computer and business machines

- The cable is colour coded allowing quick and easy identification for harness break-outs and as a polarity check.

Wire gauge 28AWG stranded

Impedance 100Ω

Temperature rating 105°C

Capacitance 45.9pF/m

Voltage rating 300V

Inductance 0.46μH/m

Current rating 1A nominal

Insulation resistance 10¹⁰Ω

Mfrs. List No. (201-xxG) where xx = No. of conductors

208387

Colour Coded 1.27mm (0.05") Pitch**SPECTRA STRIP**

Cut Lengths Available

- UL recognised (Style 20130) manufactured in a flame retardant PVC sleeving
- Colour coding allows easy circuit tracing and routing
- CSA approved

Mfrs. List No. 135-2802-3 + No. of Ways

Wire gauge	28AWG stranded	Impedance	105Ω
	7/36AWG tinned copper	Capacitance	42.7pF/m
Temperature rating	-20°C to +105°C	Inductance	0.59μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω

208382

High Flex Life (0.05") Pitch

- UL recognised (Style 2651), manufactured in VW-1 flame retardant Black PVC insulation

- The first conductor is identified by a red leading edge
- Silver plated stranded copper alloy conductors

Wire gauge	28AWG stranded	Capacitance	43.6pF/m
Temperature rating	-20 to 105°C	Inductance	0.49μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	107Ω	Colour	Black

Mfrs. List No. 3319 + No. of Conductors

208338

Continuous length in 1m Multiples		30.5m Reel Price Per Reel		
Conductors	Order Code	Order Code	Price Per m	Order Code
10	120-7451●	117-0232●	1.91	46.35
14	120-7452●	117-0233●	1.33	39.88
16	120-7453●	117-0234●	1.44	44.23
20	120-7455●	117-0236●	3.86	92.67
26	120-7456●	117-0237●	4.89	93.60
34	120-7457●	117-0238●	6.18	94.16
37	120-7458●	117-0239●	3.32	46.49
40	120-7459●	117-0240●	3.50	128.30
50	120-7460●	117-0241●	9.06	138.70
60	120-7461●	117-0254●	4.04	146.39
64	120-7462●	117-0255●	5.88	148.92

Blue 1.27mm (0.05") Pitch**Tyco Electronics**

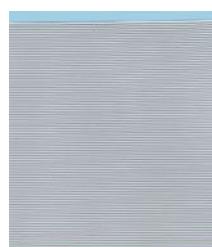
Cut Lengths Available

- UL recognised (Style 2651) for internal wiring of electronic computer and business machines
- First conductor is identified by a Blue leading edge.

Wire gauge	28AWG stranded	Capacitance	45.9pF/m
Temperature rating	105°C	Inductance	0.46μH/m
Voltage rating	300V	Insulation resistance	10 ¹⁰ Ω
Impedance	100Ω	Colour	Light Blue

Mfrs. List No. (171-xxG) where xx = No. of conductors

208386

Grey 0.033" Pitch

- UL recognised Style 2651, manufactured in Grey VW-1 flame retardant PVC insulation
- The first conductor is identified by a Red leading edge
- For use with 96 way DIN41612 connectors

Wire gauge	30AWG stranded	Temperature rating	-20°C to +105°C
Temperature rating	300V	Voltage rating	89Ω
Impedance	343.80	Capacitance	57.4pF/m
Inductance	296.93	Inductance	0.46μH/m
Insulation resistance	272.84	Colour	10 ¹⁰ Ω

Mfrs. List No. 3849-96

219630

Continuous Length in 1m Multiples		30.5m Reel Price Per Reel		
No of ways	Order Code	Order Code	Price Per m	Order Code
96	333-2123●	332-9987●	22.60	343.80

Grey 0.64mm (0.025") Pitch**SPECTRA STRIP**

- UL recognised (Style 2678) made in Grey PVC
- The conductor is identified by a Black leading edge

Wire gauge	30AWG bare solid conductor	Impedance	80Ω
Temperature rating	-20°C to +105°C	Capacitance	62.3pF/m
Voltage rating	150V	Inductance	0.49μH/m
Current rating	0.8A nominal	Insulation resistance	10 ¹⁰ Ω

Mfrs. List No. (191.3003.0XX) where xx = No. of Conductors

208339

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Continuous Length in 1m Multiples			30.5m Reel			Price Per Reel		
No. of Ways	Order Code	Price Per m	Order Code	1+	5+	10+		
68	120-7472●	7.20	117-0248●	62.51	51.06	44.17		
80	120-7473●	3.90	117-0249●	79.45	67.64	54.06		

Grey 0.64mm (0.025") PVC - Stranded Conductors



Mfrs. List No. 191.3005.068

SPECTRA STRIP

- UL recognised (Style 2678), manufactured in Grey PVC
- The first conductor is identified by a Black leading edge

Wire gauge 30AWG
7/38AWG
Temperature rating -20°C to +105°C
Voltage rating 150V
Current rating 0.8A nominal
Impedance 70Ω
Capacitance 82pF/m
Inductance 0.46μH/m
Insulation resistance 10¹⁰Ω

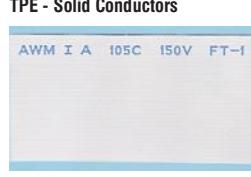
208343

Cut Lengths Available

Continuous length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	5+	10+	Price Per Reel
68	120-7474●	15.42	117-0250●	166.29	150.31	134.93		

Grey 0.64mm (0.025") Pitch TPE - Solid Conductors



Mfrs. List No. 193.3003.068

SPECTRA STRIP

- UL recognised (Style 20647)
- The first conductor is identified by a Red leading edge
- TPE Insulation improves the cables electrical performance and provides a faster signal speed than PVC

Wire gauge 30AWG bare solid conductor
Temperature rating -20°C to +105°C
Voltage rating 150V
Current rating 0.8A nominal

Impedance 80Ω
Capacitance 62.3pF/m
Inductance 0.46μH/m
Insulation resistance 10¹⁰Ω

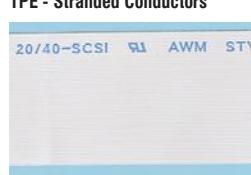
208342

Cut Lengths Available

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	5+	10+	Price Per Reel
68	120-7470●	2.98	117-0245●	77.66	57.57	41.81		

Grey 0.64mm (0.025") Pitch TPE - Stranded Conductors



Mfrs. List No. 193.3005.068

SPECTRA STRIP

- UL recognised (style 20647)
- The first conductor is identified by a Red leading edge
- TPE Insulation improves the cables electrical performance and provides a faster signal speed than PVC

Wire gauge 30AWG
Temperature rating -20°C to +105°C
Voltage rating 150V
Current rating 0.8A nominal

Impedance 80Ω
Capacitance 62.3pF/m
Inductance 0.46μH/m
Insulation resistance 10¹⁰Ω

208341

Cut Lengths Available

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	5+	10+	Price Per Reel
68	120-7471●	7.74	117-0246●	170.48	152.43	136.13		

Twist and Flat 1.27mm (0.05") Pitch

SPECTRA STRIP



Cut Lengths Available

- UL recognised
- Highly flexible colour coded PVC insulation
- Double contour on flat section allows termination from either side of cable
- Easy conductor separation for circuit routing

Wire Gauge 28AWG 7/36AWG Current Rating 1A Nominal
Tinned Copper Capacitance 49pF/m
Temperature Rating 105°C Insulation Resistance 10¹⁰Ω
Voltage Rating 300V Cable construction 45.7cm (18") twisted,
Impedance 100Ω 5.1 cm (2") flat etc

Mfrs. List no. 132.2802.2xx where xx = no. of conductors

230708

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	5+	10+	Price Per Reel
9	297-537●	6.45	297-057●	134.58	121.02	114.24	111.95	
10	297-549●	6.74	297-069●	138.16	135.40	132.70	130.04	
14	297-550●	7.33	297-070●	158.42	155.24	152.13	149.10	
15	297-562●	7.59	297-082●	159.60	156.41	153.28	150.22	
16	297-574●	7.93	297-094●	148.89	145.90	142.99	140.13	
20	297-586●	8.21	297-100●	172.89	155.60	147.13	144.18	
25	297-598●	9.21	297-112●	170.52	153.57	145.09	142.19	
26	297-604●	9.39	297-124●	184.08	165.77	156.62	153.47	
34	297-616●	10.53	297-136●	195.60	175.94	166.11	162.79	
			117-0267●	127.08	109.11			

Loose Twisted Flat (0.05") Pitch

3M



- UL recognised (Style 20488) manufactured in coloured VW-1 flame retardant PVC insulation

Cut Lengths Available

- Loose twisted pairs provide extra flexibility, extended product life and allows for easy routing

Wire gauge 28AWG stranded
Temperature rating -20°C to +80°C
Voltage rating 300V
Impedance 115Ω

Capacitance 43.6pF/m
Inductance 0.59μH/m
Insulation resistance 10¹⁰Ω
Colour 10 Colour Repeat

Mfrs. List No. (3782-xxP-270) where xx = No. of conductors

208337

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	5+	10+	Price Per Reel
10	127-7031●	11.22	332-9859●	57.26	51.02	41.81		
34	127-7032●	5.08	862-1446●	142.86	130.63	—		
40	127-7033●	6.59	332-9860●	228.98	198.00	167.24		
64	127-7034●	30.32	332-9872●	385.11	347.10	305.61		

Round, Jacketed, Flat Cable

3M



- Round construction permits easier routing
- 28 AWG 7x36 wire on 0.050" centers permits mass termination to broad line of IDC connectors

- Continuous split/bond repeat allows for mass termination on 2.4" centers (approximate)
- Meets external wiring requirements of National Electrical Code, Article 725 (CL2)
- Primary cable is zipvable for branching or discrete terminations
- UL recognised (Style 20267)

Wire gauge 28AWG stranded
Temperature rating -20 to 80°C
Voltage rating <50V
Impedance 133Ω *

* balanced, measured between conductors within a pair.

Mfrs. List No. 3759 + No. of Conductors

382290

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	3+	Price Per Reel
10	127-7035●	4.68	861-0916●	63.73	57.63		
26	127-7039●	6.99	861-0983●	99.84	93.28		
34	127-7040●	8.46	861-1009●	128.00	124.86		
64	127-7045●	4.30					

Round and Flat 1.27mm (0.05") Pitch

3M



- UL recognised (Style 20267) round and flat PVC insulated ribbon cable for IDC termination

- Repeat of 35mm separated and 25mm bonded conductors
- Screened in aluminium polyester tape with overall tinned copper braid for excellent RFI/EMI protection
- Sheathed overall in Black PVC

Wire gauge 28AWG stranded
Temperature rating 80°C
Voltage rating 300V
Impedance 62Ω

Capacitance 54.8pF/m
Inductance 0.69μH/m
Insulation resistance (Primary cable)>1 x 10⁸Ω/10ft (3m)
Colour Grey
Cable Sheath: Black

Mfrs. List No. 3659 + No. of ways

224066

Continuous Length in 1m Multiples

Conductors	Order Code	Price Per m	30.5m Reel	Order Code	1+	3+	5+	10+	Price Per Reel
9	297-537●	6.45	297-057●	134.58	121.02	114.24	111.95		
10	297-549●	6.74	297-069●	138.16	135.40	132.70	130.04		
14	297-550●	7.33	297-070●	158.42	155.24	152.13	149.10		
15	297-562●	7.59	297-082●	159.60	156.41	153.28	150.22		
16	297-574●	7.93	297-094●	148.89	145.90	142.99	140.13		
20	297-586●	8.21	297-100●	172.89	155.60	147.13	144.18		
25	297-598●	9.21	297-112●	170.52	153.57	145.09	142.19		
26	297-604●	9.39	297-124●	184.08	165.77	156.62	153.47		
34	297-616●	10.53	297-136●	195.60	175.94	166.11	162.79		

Ribbon Cable - continued**Round and Flat 1.27mm (0.05") Pitch - continued**

Continuous Length in 1m Multiples		Price Per m	30.5m Reel			
Conductors	Order Code	Order Code	1+	3+	5+	10+
37	297-628●	11.16	297-148●	200.01	180.01	170.18
40	297-630●	11.44	297-150●	234.93	211.54	199.67
50	297-641●	13.17	297-161●	289.17	260.35	245.78
60	297-653●	11.14	297-173●	431.67	399.27	336.17
64	414-1052●	17.57	414-0606●	435.80	400.29	351.77

Round, Jacketed, Flat Cable

3896 Series



3M™ Round, Jacketed, Flat Cable, 3896 Series is an extension to the popular 3M™ 3759 Series cable already available today. The round, jacketed cable opens up to flat cable to enable mass-termination to a broad line of IDC connectors and is zippable for branching or discrete terminations. Made using 30 AWG wire on 1.27mm centres, 3896 Series permits mass termination to a variety of fine pitch connectors. The primary cable is zippable for branching or discrete terminations and has a continuous split/bond repeat approximately every 2.4 inches which improves flexibility.

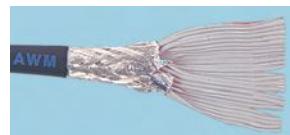
- Round construction permits easier routing
- 30 AWG wire on .025 inch centers permits mass termination
- Continuous split/bond allows for mass termination on 2.4 inch centers (approximate).
- Close spacing permits higher signal density
- Primary cable is zippable for branching or discrete terminations
- PVC insulation provides excellent flexibility
- Recommended for use with 3M™ .050" x 0.100" Tripolarized Wiremount Sockets (82XXX-600X) and 3M™ Pak 10 IDC Sockets (P25E-XXX-XXX)
- Available in 3 conductor counts 50, 60 and 80 ways
- Black PVC jacket

Wire gauge	30AWG 7/38AWG Tinned Copper	Capacitance	12pF/ft
Temperature rating	-20°C to 105°C	Inductance	0.57μH/m
Voltage rating	50V	Propagation delay	4.76ns/m
Impedance	121Ω	Velocity of propagation	70%
		Colour	Grey

Mfrs. List No. (3896/xx) where xx = No. of conductors



1

Round 'N' Flat 1.27mm (0.05") Pitch**SPECTRA STRIP®****Cut Lengths Available**

Flat ribbon cable with separated conductors every alternate 19mm ($\frac{4}{7}$ "), within two layers of shielding all in a round outer sheath minimising the effect of EMI/RFI. The first layer is helically wrapped aluminium/mylar, the second layer being tinned copper braid. Overall sheathed in a flexible flame retardant PVC covering. **UL/CL2/CSA** certified.

Wire gauge	28 AWG stranded 7/36AWG tinned copper	Inductance	0.49μH/m
Temperature rating	-20°C to +105°C	Insulation resistance	$10^{10}\Omega$
Voltage rating	300V	Capacitance	78.7pF/m. @1MHz
Current rating (nominal)	1A	Colour	
Impedance	75Ω	Cable	Grey
		Jacket	Black

Mfrs. List No. (159-2801-0xx) where xx = No. of conductors

208385

Continuous length in 1m Multiples	Price Per m	30.5m Reel		
Conductors	Order Code	Order Code	1+	5+ 10+
9	120-7463●	2.77	117-0251●	90.79 88.98 85.73
15	120-7464●	8.12	117-0252●	101.47 99.43 95.81
25	120-7465●	9.03	117-0242●	157.87 139.98 112.47
26	120-7467●	4.55	117-0243●	159.31 141.24 113.51
37	120-7468●	10.34	117-0244●	183.17 162.43 130.54
50	120-7469●	10.67	117-0253●	132.83 130.18 125.43

208385

Round and Flat 1.27mm (0.05") Pitch**Tyco Electronics****Cut Lengths Available**

- 2 level screening aluminium foil and copper braid
- Meets requirements of A and B class FCC regulations
- Sheathed overall in highly flexible PVC

Wire gauge	28AWG stranded (7/36AWG)	Impedance	57Ω
Operating Temperature	-20°C to +80°C	Current rating	1A
Voltage rating	300V	Capacitance	95pF/m
Mfrs. List No. (300-xx) where xx = No. of conductors			

224067

Continuous Length in 1m Multiples	Price Per m	30.5m Reel		
Conductors	Order Code	Order Code	1+	5+ 10+
15	302-764●	3.95	302-806●	113.40 102.30 96.60
25	302-770●	8.62	302-818●	168.90 157.52 148.49
37	302-788●	9.83	302-820●	135.90 122.40 115.50

224067

Twist and Flat 1.27mm (0.05") Pitch**SPECTRA STRIP®**

- UL recognised
- PVC Jacket

Wire Gauge	28AWG 7/36AWG Tinned Copper
Temperature Rating	105°C
Voltage Rating	300V
Impedance	115Ω
Current Rating	1.3
Capacitance	14pF/ft/m
Insulation Resistance	$10^{10}\Omega$

Mfrs. List no. 169.2832.2xx where xx = no. of conductors

481362

Continuous Lengths in 1m Multiples	Price Per m	30.5m Reel		
Conductors	Order Code	Order Code	1+	5+ 10+
10	144-0132●	10.97	143-5807●	119.78 116.19 112.71
20	144-0133●	12.46	143-5808●	136.18 132.09 128.12
34	144-0134●	14.46	143-5809●	123.90 120.18 116.58
40	144-0136●	15.37	143-5810●	167.86 162.82 157.95
50	144-0137●	17.53	143-5811●	191.44 185.70 180.13

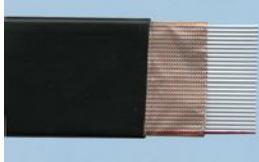
481362

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Jacketed Shielded 0.025" Pitch

The 0.635mm (0.025") 30AWG solid conductor, grey shielded PVC jacket with TPE primary insulation cable is for high speed, high density applications. Suitable for applications requiring standard impedance of 100ohms. Extremely low crosstalk and the copper foil provides 35dB average shielding effectiveness. Can be used with all cable mounted connectors on 1.27mm pitch.

- Available in conductor counts 40 and 50.
- Black PVC jacket with TPE primary insulation material
- 30AWG solid conductors
- Suitable for applications requiring standard impedance of 100ohms balanced (differential)
- Extremely low crosstalk used in all-signal mode
- Solid pleated copper foil provides 35db average shielding effectiveness

Wire gauge	30AWG	Capacitance	47.6pF/m
Voltage rating	50V	Inductance	0.52μH/m
Impedance	104Ω	Propagation delay	4.95ns/m

Mfrs. List No. (90101/xx) where xx = No. of conductors

481482

Continuous Length in 1m Multiples		Price Per m	30.5m Reel		
Conductors	Order Code		Order Code	1+	5+ 10+
40	144-0130●	26.11	143-6560●	397.05	381.17 365.92
50	144-0131●	33.41	143-6561●	496.32	476.47 457.39

Shielded/Jacketed Flat Cable

- Polyvinyl Chloride (PVC) outer jacket, Expanded copper shield
- 0.050" 28 AWG 7x36 Tinned stranded copper conductors
- 360° expanded copper shielding provides 20 dB average shielding effectiveness

- Can be mass terminated to a broad line of IDC connectors
- UL recognised (Style 20879)

Wire gauge	28AWG stranded	Current rating 1A	Inductance	0.62μH/m*
Temperature rating	-20 to 80°C	Impedance	119Ω*	Insulation resistance >1 x 10 ¹⁰ Ω/10ft (3m)
Voltage rating	<50V	Capacitance	41.7pF/m	Colour Grey

* balanced, measured between conductors within a pair.

Mfrs. List No. 3517 + No. of Conductors

382238

Continuous Length in 1m Multiples		Price Per m	30.5m Reel		
Conductors	Order Code		Order Code	1+	3+
9	860-8563●	5.93	860-8105●	131.18	126.54
10	860-8571●	7.08	860-8113●	247.17	238.88
16	860-8580●	7.64	860-8121●	248.11	235.48
20	860-8598●	7.96	860-8130●	250.37	237.29
25	860-8601●	9.93	860-8148●	292.85	280.75
26	860-8610●	9.93	860-8156●	295.41	286.53
34	860-8628●	12.07	860-8164●	322.72	306.74
40	860-8636●	14.97	860-8180●	410.92	389.99
50	860-8644●	5.81	860-8199●	419.66	410.92
60	860-8652●	17.21	860-8202●	618.31	603.93
64	860-8660●	19.14			

Jacketed Shielded 0.05" Pitch

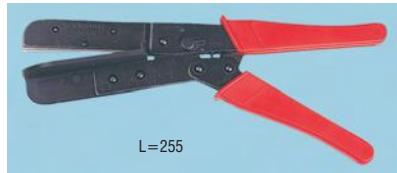
- UL listed, Grey PVC insulation with aluminium/poly shielding and two drain wires
- Coated in Black PVC
- Excellent crosstalk and electrical performance
- Highly flexible

Wire Gauge	28AWG 7/36AWG	Current Rating	1A
	Tinned Copper	Impedance	50Ω
Temperature Rating	105°C	Capacitance	131pF/m
Voltage Rating	150V	Insulation Resistance	10 ¹⁰ Ω

Mfrs. List No. 151-2831-009 = 117-0268 151-2831-025 = 117-0270 151-2831-050 = 117-0273
151-2831-015 = 117-0269 151-2831-037 = 117-0271

230688

Continuous lengths in 1m Multiples		Price Per m	30.5m Reel		
Conductors	Order Code		Order Code	1+	5+ 10+
9	120-7486●	3.35	117-0268●	75.99	71.18 60.23
15	120-7487●	5.94	117-0269●	109.26	102.36 86.61
25	120-7488●	4.47	117-0270●	126.19	118.17 100.00
37	120-7492●	10.82	117-0271●	115.46	108.14 91.51
50	120-7493●	6.33	117-0273●	172.71	161.73 136.83

Hand Ribbon Cable Cutter

L=255

- Hand cable cutter with built-in cable guide
- Gives clean perpendicular cuts to cable with up to 64 conductors (82mm wide) 28AWG

Note: The flat platen is not replaced as it is plastic, but acquires a slot over the cutter's life which does not normally affect the efficiency of the blade. If it does affect the cutting efficiency, replace the whole tool.

208852

	Order Code	1+	5+	10+
Cutter	147-824	50.38	47.01	44.08
Spare Blades	150-077	1.08	1.00	0.89

Cable cutting service

With over 900 cables cut to order, see page 80 for details on how to place your order.

Cable lengths made easy!

Only buy the length of cable you need and benefit from...

- ▶ No wasted stock
- ▶ Only pay for what you want
- ▶ Standard same day despatch
- ▶ No additional charges
- ▶ Over 900 different cables from the leading manufacturers

How to order

XTRA-GUARD® 1 Twisted Multipair



• Twisted multipair 24 AWG (7/32AWG) tinned copper conductors

• Premium grade PVC jacket for extended cable life

• Nylon rip cord for ease of jacket stripping

Jacket thickness	0.81mm	Operating temperature	-20° to +80°C
Voltage rating	300V		

30.5m Reels

No. of Pairs	Nominal Outside Dia.	Mtrs.	Order Code	1+	5+	10+	15+	20+
2	5.1	5262C-100	118-2573	—	—	—	—	—
3	5.8	5263C-100	118-2574	—	—	—	—	—
4	6.4	5264C-100	118-2575	—	—	—	—	—

Continuous Length in 1m Multiples

No. of Pairs	Nominal Outside Dia.	Mtrs.	Order Code
2	5.1	5262C	123-0949
3	5.8	5263C	123-0950
4	6.4	5264C	123-0951

From our catalogue

- 1 Ensure the cable you require has the 'Cut Lengths Available' logo
- 2 Select the order code option for 'Continuous Length in 1m Multiples'
- 3 To order 4 metres of cable, order a quantity of 4 via telephone, fax, email or post



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Farnell Product Search

5262C-100 — ALPHALINE — CABLE, 24AWG 2 PAIR 30.5M

Alternatives

Image	Order Code	Mtrs & Part No.	Description	Tech Info	RoHS	Avail.	Price Per	List Price	Qty
	1230949	ALPHA 5262C	CABLE, 24AWG, 2 PAIR, 30.5M, Material: secondary insulation-PVC; Alpha type number:5262C; Approval: Belden:UL 2464; Cable UL style number:UL2464; Color:		Yes	17	\$	Exxx	<input type="button" value="Buy"/>

Online at www.farnell.com

- 1 Ensure the cable you require has an 'Alternative' product offering 1 metre lengths
- 2 To order 4 metres of cable, enter 4 in the quantity box for the 'Alternative' order code
- 3 Click 'BUY' and proceed to checkout

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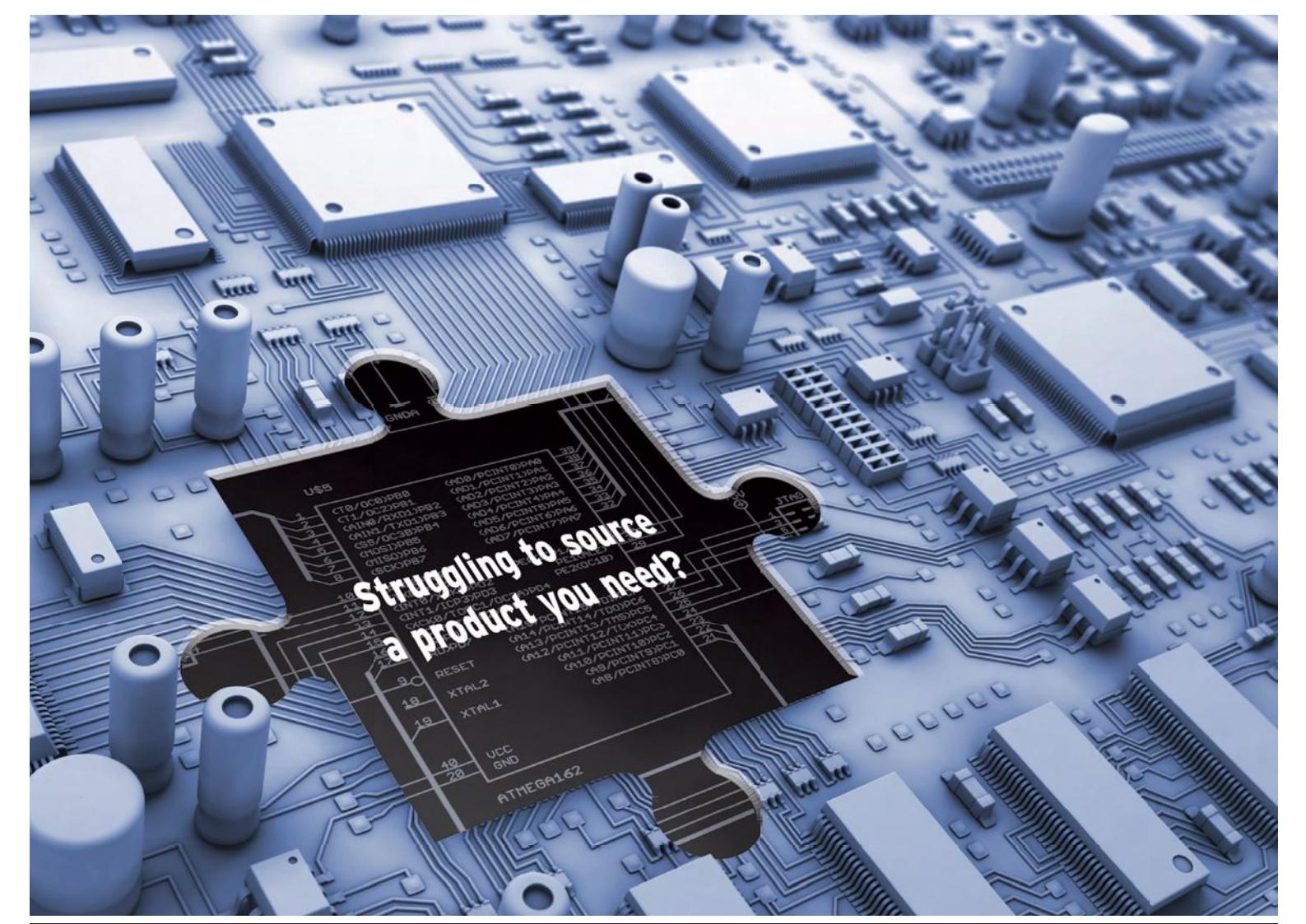
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- 2** 700 new products added online every week
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