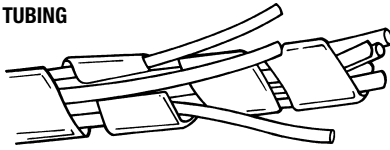


CABLE & WIRE MANAGEMENT PRODUCTS

SPIRAL WRAP TUBING



SW Series spiral wrap tubing is designed to provide a professional finish to harness installations by eliminating exposed wire and cable. All materials maintain flexibility when bent around sharp edges or corners. Unlimited breakouts and tap off connections may be made through spiral openings. Polyethylene operating temperature: -20°C to +80°C. Nylon operating temperature: -40°C to +120°C. Teflon® operating temperature: -70° to +250°C.

Mfg. Part No.	Description	Dia.	Spool Size (ft.)	Stock No.	Price per Spool
● SW1 NA008	Clear Polyethylene	1/8"	25'	28B6297	11.66
● SW11 WH008	Fire-Resistant Polyethylene	1/4"	25'	05F1610	21.78
● SW12 3/8-25WHT	Fire-Resistant Polyethylene	3/8"	25'	05F1612	38.30
● SW13 WH008	Fire-Resistant Polyethylene	1/2"	25'	06M3857	46.80
● SW11 WH005	Fire-Resistant Polyethylene	1/4"	100'	06M3855	74.78
● SW12 WH005	Fire-Resistant Polyethylene	3/8"	100'	05F1611	132.65
● SW13 1/2-100WHT	Fire-Resistant Polyethylene	1/2"	100'	06M3856	162.07
● SW20 NA008	Nylon	1/8"	25'	05F1616	12.71
● SW22 3/8-25NAT	Nylon	3/8"	25'	89K8011	49.09
● SW23 NA008	Nylon	1/2"	25'	89K8013	63.32
● SW23 NA005	Nylon	1/2"	100'	89K8012	205.52
● SW30 NA008	Teflon	1/8"	25'	05F1625	124.44
● SW45-1-25	UV-Resistant Black Polyethylene	1"	100'	86K4565	72.30
● SW41-1/4-100BLK	UV-Resistant Black Polyethylene	1/4"	100'	05F1630	34.29

(6396)

SPIRAL CABLE WRAPPING



Reusable spiral wrapping for protecting and organizing multiple cable. Each package includes an installation tool. Allows breakouts of single/multiple wires and rerouting of replacement wires. Color-coded wire bundles. Organizes wires for communication and computer equipment. UL recognized. Sold in spools of varying lengths indicated in table below.

POLYETHYLENE

Mfg. Part No.	Bundle	Spool Size (ft.)	Stock No.	Price per Spool
● T12F-C	1/16"-1/2"	100'	84F1838	51.50
● T25F-C	3/16"-2"	100'	78F548	67.47
● T38F-C	1/4"-3"	100'	84F1841	121.74
● T50F-C	5/8"-4"	100'	84F599	183.92
● T62F-C	1/2"-4 1/2"	100'	84F1846	200.82
● T75F-C	5/8"-5"	100'	84F1847	224.00
● T100F-C	7/8"-6"	100'	84F1848	257.73

WEATHER-RESISTANT POLYETHYLENE (BLACK)

● T12F-C0	1/16"-1/2"	100'	84F1839	61.86
● T25F-C0	3/16"-2"	100'	78F498	89.07
● T38F-C0	1/4"-3"	100'	84F1842	152.23
● T50F-C0	5/8"-4"	100'	84F1844	229.92
● T75F-C0	5/8"-5"	100'	84F2047	280.08
● T100F-C0	7/8"-6"	100'	84F1849	321.45

FLAME-RETARDANT POLYETHYLENE (UL V0 -- WHITE)

● T12FR-C	1/16"-1/2"	100'	96F4101	72.40
● T25FR-C	3/16"-2"	100'	96F4102	115.50
● T62FR-C	1/2"-4 1/2"	100'	96F4105	312.47

NYLON

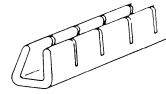
● T25N-C	3/16"-2"	100'	78F546	163.35
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TEFLON

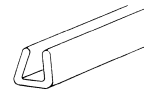
● T12T-C	1/16"-1/2"	100'	84F1840	536.54
● T25T-L	3/16"-2"	50'	78F499	428.80
● T50T-Q	3/8"-4"	25'	94F2880	446.50

(6459)

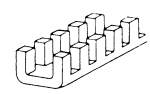
GROMMET EDGING



Slotted Wall (GEE)



Solid Wall (GES)



Slotted Wall (GE)

Grommet edging used where abrasion is a primary concern. GEE series is for irregularly shaped and round panel holes. GES series is for solid wall product on straight edges. Sold in 100' rolls or strips of quantities indicated in table below.

NATURAL COLOR CONTINUOUS ROLL POLYETHYLENE SLOTTED WALL AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Slotted Wall		Solid Wall	
			Stock No.	Price per Roll	Mfg. Part No.	Stock No.
● GEE62F-C	0.036-0.062"	100	89F1909	47.63	● GES62F-C	84F1830
● GEE62F-C0	0.036-0.062"	100	57J1814	53.95	...	...
● GEE99F-C	0.062-0.099"	100	89F1910	54.49	...	...
● GEE144F-C	0.099-0.144"	100	89F1897	61.58	● GES144F-C	84F1832

NATURAL COLOR UL V0 FLAME RETARDANT POLYETHYLENE SLOTTED WALL AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GEE62FR-C	0.036-0.062"	100	96F4111	64.28	...	...	...
● GEE99FR-C	0.062-0.099"	100	96F4112	83.82	...	...	...
● GEE144FR-C	0.099-0.144"	100	96F4113	92.37	● GES144FR-C	96F4117	70.17

NATURAL COLOR 12-3/4" STRIPS, NYLON SLOTTED WALL

Mfg. Part No.	For Panel Thickness	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Roll
● GE85-C*	0.052-0.085"	100	89F1899	121.39	...	...	...
● GE128-C*	0.085-0.128"	100	89F1900	133.12	...	...	...
● GE192-L*	0.128-0.192"	50	89F1901	87.52	...	...	...
● GE255-L*	0.192-0.255"	50	89F1902	137.69	...	...	...

NATURAL COLOR ADHESIVE-LINED CONTINUOUS ROLL POLYETHYLENE SLOTTED AND SOLID WALL

Mfg. Part No.	For Panel Thickness	Roll Size (ft.)	Stock No.	Price per Roll	Mfg. Part No.	Stock No.	Price per Roll
● GEE62F-A-C	0.036-0.062"	100	91F7323	60.01	● GES62F-A-C	91F7326	43.20
● GEE62F-A-C0†	0.036-0.062"	100	83F7233	68.02	● GES62F-A-C0	83F7237	47.55
● GEE99F-A-C	0.062-0.099"	100	91F7324	68.67	● GES99F-A-C	91F7327	49.66
● GEE99F-A-C0†	0.062-0.099"	100	83F7234	75.24	● GES99F-A-C0	83F7238	52.65
● GEE144F-A-C	0.099-0.144"	100	91F7325	77.62	● GES144F-A-C	91F7328	55.75
● GEE144F-A-C0†	0.099-0.144"	100	83F7232	85.01	● GES62F-A-C	83F7236	59.76

*Military Part No. MS21266-1N thru -5N; †Color is black (6458)



(6459)

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CABLE MANAGEMENT

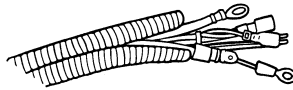
● Indicates RoHS Compliant

CABLE & WIRE MANAGEMENT PRODUCTS

CORRUGATED LOOM TUBING



Available in polyethylene or heat stabilized nylon. Tubing is slit and can easily be slipped around an existing wire bundle to provide abrasion protection. Reduces the risk of damage to wiring circuits. Color: black. Sold in spools of varying lengths indicated in table below.



POLYETHYLENE

Mfg. Part No.	Inside Diameter	Spool Size (ft.)	Stock No.	Price per Spool
● CLT25F-C20	0.265	100'	96F4118	47.51
● CLT35F-C20	0.350	100'	96F4119	54.24
● CLT38F-C20	0.415	100'	96F4120	56.10
● CLT50F-C20	0.505	100'	96F4121	59.48
● CLT62F-C20	0.665	100'	96F4122	69.94
● CLT75F-C20	0.760	100'	96F4123	85.51
● CLT100F-C20	1.090	100'	96F4124	110.33
● CLT150F-D20	1.550	500'	83F7266	400.80

HEAT-STABILIZED NYLON

● CLT25N-C630	0.265	100'	96F4125	66.43
● CLT35N-C630	0.350	100'	96F4126	67.76
● CLT38N-C630	0.415	100'	96F4127	71.70
● CLT50N-C630	0.505	100'	96F4128	87.79
● CLT62N-C630	0.665	100'	96F4129	106.52
● CLT75N-C630	0.760	100'	96F4130	140.62
● CLT100N-C630	1.090	100'	96F4131	220.73
● CLT125N-L630	1.290	50'	83F7265	115.48
● CLT150N-D630	1.550	500'	83F7267	469.22

(6460)

CORRUGATED LOOM TUBING FITTINGS



- Virtually Eliminates Taping
- Easy to Assemble
- Locking Latch Design
- Durable Polyethylene Shell
- Works with Most Popular Sizes of Corrugated Loom Tubing
- Sold in Packages of 25



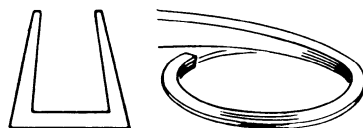
Mfg. Part No.	Size (H x W x L)	Color	Material	Stock No.	Price Each
● CF382538F-Q	3/8 x 1/4 x 3/8	Black	Polyethylene	33C4109	23.70
● CF502550F-Q	1/2 x 1/4 x 1/2	Black	Polyethylene	33C4111	24.48
● CF503850F-Q	1/2 x 3/8 x 1/2	Black	Polyethylene	33C4112	25.36
● CF752575F-Q	3/4 x 1/4 x 3/4	Black	Polyethylene	33C4113	27.05
● CF753875F-Q	3/4 x 3/8 x 3/4	Black	Polyethylene	33C4114	27.57

(6879)

CONTINUOUS GROMMET EDGING



Solid grommet edging is designed for straight and gently curving runs. Flexible to fit holes of any size or shape. Color: natural. Sold in rolls of 100'.



Grommet Edging

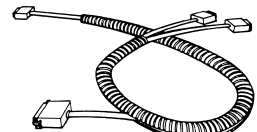
Mfg. Part No.	Panel Thickness	Material	Stock No.	Price Each
● CGP-1	Up to 0.036"	Polyethylene	23N3658	18.25
● CGP-2	0.037-0.071"	Polyethylene	23N3659	20.03
● CGP-3	0.106-0.164"	Polyethylene	23N3660	31.36
● CGP-4	0.165-0.187"	Polyethylene	23N3661	32.12
● CGP-5	0.188-0.250"	Polyethylene	23N3662	42.51
● 2577	Up to 0.036"	Nylon	92N4792	36.23
● 2578	0.037-0.071"	Nylon	92N4793	41.73
● 2579	0.072-0.105"	Nylon	92N4794	47.73

(6411)

FLEXIBLE SPLIT-LOOM TUBING



Split-loom tubing is the perfect wire harness protective covering. Features an easy-opening seam for quick wire insertion and removal. Offers excellent resistance to fluids and abrasion while providing a uniform, tailored appearance. Made of durable polyethylene or nylon. Bulk quantities and other colors and sizes available; go online or call. Sold in the lengths indicated below.



BLACK POLYETHYLENE (-40°F-200°F)

Mfg. Part No.	Nom. I.D.	Length	Stock No.	Price Each
● 1435	0.250"	100'	92N3675	32.57
● 1436	0.375"	100'	92N3676	32.69
● 1437	0.500"	100'	92N3677	35.69
● 1438	0.625"	50'	92N3678	33.29
● 1439	0.750"	50'	92N3679	40.06
● 1440	1.000"	50'	92N3680	55.62

BLACK HEAT-STABILIZED NYLON (-40°F-300°F)

● 1441	0.250"	100'	92N3681	28.39
● 1442	0.375"	100'	92N3682	32.44
● 1443	0.500"	100'	92N3683	40.34
● 1444	0.625"	50'	92N3684	28.27
● 1445	0.750"	50'	92N3685	30.48
● 1446	1.000"	50'	92N3686	34.17

GRAY FLAME-RETARDANT POLYETHYLENE (-40°F-200°F)

1429	0.250"	100'	92N3669	32.57
1430	0.375"	100'	92N3670	32.69
1431	0.500"	100'	92N3671	35.69
1432	0.625"	50'	92N3672	33.29
1433	0.750"	50'	92N3673	40.06
1434	1.000"	50'	92N3674	55.62

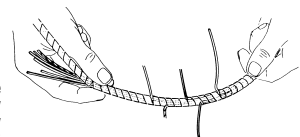
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PROTECTIVE HARNESS WRAP



- Easy to Apply and Remove
- Reusable and Flexible
- Strong and Versatile
- Retains Elasticity

For temporary or permanent wire harness application where abrasion protection is required. Useful for harnesses which carry wiring around sharp corners. Leads can be brought out at any point to make a "tailor-made," tight-fitting harness. Color: natural. Sold in coils of 100'.

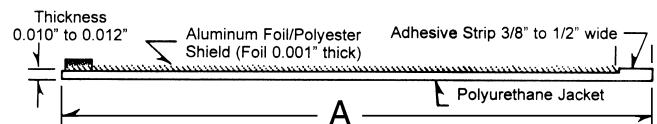


Harness Wrap

Mfg. Part No.	O.D.	Bundle Range	Material	Stock No.	Per 100' Coil
● HWN-02	1/8"	1/16 - 1/2"	Nylon	23N3648	43.33
● HWN-03	3/16"	1/8 - 1"	Nylon	23N3649	64.61
● HWN-04	1/4"	3/16 - 1 1/2"	Nylon	23N3650	29.39
● HWN-06	3/8"	5/16 - 2"	Nylon	23N3651	177.86
● HWN-08	1/2"	3/4 - 4"	Nylon	23N3652	269.39
● HWP-02-P	1/8"	1/16 - 1/2"	Polyethylene	50N4758	27.64
● HWP-03-P	3/16"	1/8 - 1"	Polyethylene	50N4759	31.45
● HWP-04-P	1/4"	3/16 - 1 1/2"	Polyethylene	50N4760	33.95
● HWP-06-P	3/8"	5/16 - 2"	Polyethylene	50N4761	43.83
● HWP-08-P	1/2"	3/4 - 4"	Polyethylene	50N4762	45.92

(6442)

WRAP-A-SHIELD TUBING



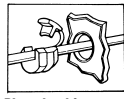
Wraparound EMI/RFI shielding in sizes that allow coverage up to 2" round and 3" flat. Ideal shielding for longer lengths, diameters from 1/4" to 3", and for flat cable applications. Allows stacking of flat cable and shielding as a multilayer package. Adhesive strip closure allows for a custom fit. Attachable braid strap provides for soldering of drain wire. Polyurethane jacket with aluminum foil/polyester shield. Simply cut to length needed, attach drain wire, wrap around cable, and close the adhesive strip. Sold in 10' lengths.

Mfg. Part No.	Dim. to Cover	Dim.	Stock No.	Price Each
● SPC5092	Max. Round 1/2"	Max. Flat 0.78"	50N167	102.42
● SPC5093	1"	1.55"	50N168	100.72
● SPC5094	2"	3.14"	50N169	179.86

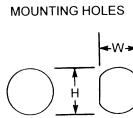
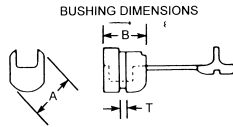
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CABLE & WIRE MANAGEMENT PRODUCTS • ELECTRICAL SLEEVING

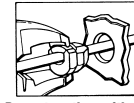
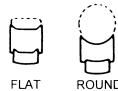
VOLTREX™ BRAND CORD STRAIN RELIEF BUSHINGS



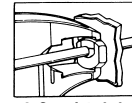
1. Place bushing on cord



KEY-CONTOUR STYLES



2. Press together with pliers



3. Snap into hole

One-piece nylon-construction bushings withstand temperatures to 221°F. Easily installed with specially designed pinners or ordinary pliers. Eliminates strain that tears cords loose from contacts or connections. Color: black. UL recognized, CSA certified. Made in the U.S.A. **Sold in packages of 100.**

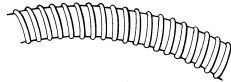
Mfg. Part No.	Cords Accommodated		Approx. Wire	Max. Thick.	Max. Panel	Dim.	Key	Dimensions		Stock No.	Price per Pkg.
	Wires	Cord Type	Size	Dim. T	Dia. H	W	Contour	A	B		
● SRR-05	2 #18	SP-1, SPT-1	0.156 x 0.187"	0.062"	0.375"	0.330"	Round	0.391"	0.410"	46N7803	4.85
● SRF-10	2 #18 2 #18	SP-1, SPT-1, XT	0.12 x 0.22" 0.09 x 0.18"	0.062"	0.437"	0.390"	Flat	0.484"	0.410"	46N7804	5.85
● SRF-15	2 #18 3 #18	SPT-2, HPN SPT-1	0.12 x 0.30"	0.062"	0.500"	0.465"	Flat	0.578"	0.406"	46N7801	6.95
● SRF-30	2 #18 3 #18 2 #16	SPT-2, SPT-2, HPN SPT-1 SP-2, SPT-2, HPN	0.12 x 0.30" 0.15 x 0.28" 0.16 x 0.30"	0.100"	0.500"	0.465"	Flat	0.578"	0.406"	46N7805	6.95
● SRF-40	3 #18 2 #16 3 #16	SPT-2 SPT-2 HPN	0.12 x 0.30" 0.16 x 0.30" 0.16 x 0.37"	0.125"	0.562"	0.530"	Flat	0.625"	0.609"	46N7806	9.33
● SRF-50	2 #18 3 #18 2 #16 3 #16 3 #16	SPT-3 SPT-3 SPT-3 SPT-1 SPT-3	0.19 x 0.35" 0.19 x 0.39" 0.20 x 0.37" 0.12 x 0.30" 0.16 x 0.41"	0.125"	0.730"	0.560"	Flat	0.750"	0.670"	46N7807	10.56
● SRR-10	2 #18 2 #18 3 #18 2 #16	HPD SV, SVT SV, SVT HPD	0.270" 0.250" 0.250" 0.290"	0.100" 0.100" 0.100" 0.100"	0.500" 0.500" 0.515" 0.515"	0.450"	Round	0.578"	0.438"	46N7808	6.95
● SRR-20	2 #18 3 #18 2 #16 3 #16	SJ, SJT, SJO SJ, SJT, SJO SJT SJT	0.300" 0.300" 0.325" 0.325"	0.125"	0.625"	0.550"	Round	0.703"	0.580"	46N7809	10.61
● SRRRA-60*	2 #18 3 #18	SV, SVT SV, SVT	0.250" 0.265"	0.100"	0.500"	0.450"	Round	0.560"	0.687"	46N7802	10.01

*Right-angle
(6412)

FLEXIBLE NONMETALLIC ELECTRICAL TUBING



- Fusion of PVC Construction to Rigid PVC Core Forms Integral Extra-Flexible Tubing
- Smooth Inside Facilitates Easy Wire Pulling and Installation
- Uses Alpha Connectors to Ensure Liquidtight Integrity
- UL Recognized; CSA Certified (except for 1/4 sizes)



FNT

UL rated: 70°C. Black. **Sold in 100' spools.**

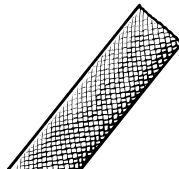
Mfg. Part No.	Maximum I.D.	Minimum O.D.	Stock No.	Price per Spool
● FNT1/4 BK005	0.405" (10.29)	0.560" (14.22)	93K7560	126.45
● FNT3/8 BK005	0.504" (12.80)	0.690" (17.53)	03F7391	134.41
● FNT1/2 BK005	0.642" (16.31)	0.820" (20.83)	03F7393	164.01
● FNT11/4 BK005	1.410" (35.81)	1.630" (41.40)	03F7399	362.70
● FNT11/2 BK007*	1.600" (40.64)	1.865" (47.37)	03F7401	530.49
● FNT2 BK007*	2.045" (51.94)	2.340" (59.44)	03F7403	731.77

*Sold in 50' spools
(6364)

SILICONE RUBBER-COATED FIBERGLASS SLEEVING



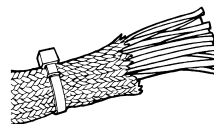
Closely woven, braided fiberglass uniformly coated with silicone rubber. Superior flexibility is unaffected by weather. Easy-to-handle sleeving cuts cleanly and will not fray. UL standard 1441. Operating temperature: -70°C to +200°C. Color: natural. **Sold in spools of 100'.**



Mfg. Part No.	Nominal Inside Diameter	100' Spool	
		Stock No.	Price per Spool
● PIF200 3/8 100NAT	0.375"	05F1950	426.15
● PIF200 2 100NAT	0.268"	04F9110	243.00
● PF2004 NA005	0.208"	05F1787	183.06
● PF2009 NA005	0.119"	04F9111	127.01
● PF20014 NA005	0.069"	04F9109	102.59

(6362)

EXPANDABLE POLYESTER WEBBED SLEEVING



ZIP-GRP

ZIP-GRP series expandable webbing offers superb flexibility and high tensile strength, while providing added protection against flame, chemicals, and abrasion. With its velcro-type enclosure wires, cable assemblies and wire harnesses are always accessible. Great for cable management. Temperature rating: -70°C to +125°C. Passes UL VW-1 Flame Test. Color: black. **Sold in spools of 25'.**

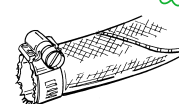
Mfg. Part No.	Supplied Diameter Min. (inches)	Expanded Diameter Max. (inches)	Nominal Flat Width (inches)	25' Spool	
				Stock No.	Price per Spool
ZIPGRIP7/8-25FT	0.750	1.000	2.500	50F7692	192.72
ZGRP11/2 BK008	1.000	2.000	3.750	28B6471	195.49
ZIPGRP2IN25FT	1.500	2.125	5.000	50F7694	218.51

(6406)

EXPANDABLE BRAIDED POLYESTER SLEEVING



GRP series lightweight, expandable woven polyester sleeving offers high flexibility with high-resistance to abrasion and cutting. Ideal for protecting wire bundles, harnesses, pneumatic hoses, hydraulic lines, cable, and highly polished or threaded machine parts. New fray-resistant version available; go online or call.



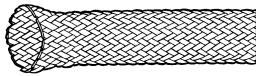
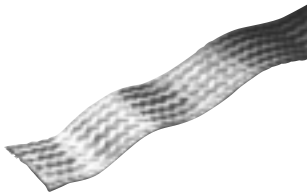
GRP

Mfg. Part No.	I.D.(in.)		Nom. Wall Thick. (in.)	Color	Spool Size (ft.)	Stock No.	Price per Spool
	Min.	Max.					
GRP120 1/8 100BLK	0.093	0.250	0.025	Black	100	04F8663	60.87
G1201/8 WH005	0.093	0.437	0.025	White	100	04F8666	56.89
G1201/4 WH005	0.125	0.437	0.025	White	100	04F8667	87.69
GRP120 1/2 100WHT	0.250	0.750	0.025	White	100	04F8668	156.61
G1203/4 WH005	0.500	1.250	0.025	White	100	04F8669	233.66
● GRP120 11/4 50BLK	0.750	1.750	0.025	Black	50	27M4044	153.00
GRP120 13/4 50BLK	1.250	2.750	0.025	Black	50	04F8665	220.25

(6394)

ELECTRICAL SLEEVING

TINNED COPPER BRAID

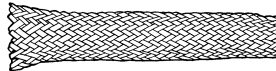


- Woven Tinned Copper
- Each Strand Meets ASTM-B-33



FLAT BRAID

- Woven Tinned Copper
- Combines High Current Carrying Capacity and Flexibility
- Suitable for Grounding and Bonding Strap Applications



- Round Construction per QQ-B-575B
- Shield Coverage 95% Minimum

3

The shielding of electronic interconnect cables can play a critical role in overall system performance. System configuration, type of signals transmitted and proximity to noise generating sources all must be considered. These factors plus the type of interference, whether electromagnetic (EMI), electrostatic (ES) or radio frequency (RF), will determine the necessity and type of shielding required. Alpha's copper braid conforms to FCC socket 20780 governing EMI and RFI shielding. **Sold in spools of 100'.**

TINNED COPPER TUBULAR BRAID

Mfg. Part No.	Nom. I.D. (In.)	AWG Equiv.	Circular Mil Area	Cond. Current Max. (A)	100' Spool	
					Stock No.	Price per Spool
● 2162 SV005	0.625	19	1200	11	86K9012	127.07
● 2164 SV005	0.109	16	2400	19	02F7919	194.36
● 2166 100	0.125	15	3000	25	89K8106	202.86
● 2168 SV005	0.172	14	4200	32	02F7921	257.79
● 2170 SV005	0.203	11	7630	46	02F7922	358.30
● 2171-100	0.250	10	9600	53	89K8107	484.72
● 2171/1 SV005	0.281	9	12060	60	03F2632	472.47
● 2172 100	0.375	10	9600	53	02F7923	499.34
● 2173 100	0.438	6	24120	90	29M7232	769.49
● 2174 100	0.500	9	13200	62	85K9678	684.46
● 2175/1 100	0.656	1	77180	190	03F2635	1872.12
● 2176 100	0.781	7	21600	88	02F7925	486.60

TINNED COPPER OVAL BRAID

● 2132 SV005	0.063	19	1192	11	02F9791	78.69
● 2138 SV005	0.172	14	4770	32	86K9011	198.34
● 2142 SV005	0.250	12	6678	41	02F9794	257.25
● 2144 SV005	0.375	11	7632	46	02F9795	286.81
● 2146 SV005	0.500	9	13356	62	04F9483	543.31
● 2148 SV005	0.625	8	14264	64	04F9484	591.15
● 2150 SV005	0.688	7	19080	81	04F9485	729.18
● 2152 SV005	0.781	7	20988	85	04F9486	744.01

TINNED COPPER FLAT BRAID

Sold in spools of 100' or 1000'.

Mfg. Part No.	Flat Width (In.)	AWG Equiv.	Circular Mil Area	100' Spool		1000' Spool	
				Stock No.	Price per Spool	Stock No.	Price per Spool
1221	0.025	27	200	02F7885	74.39	02F7886	534.98
1222	0.031	24	400	02F7887	45.30	02F7888	572.36
1223	0.047	22	600	89K8037	90.52	02F7891	610.81
1224	0.094	19	1200	86K8996	100.95	02F7893	717.26
1229	0.125	18	1800	02F7894	112.99	85K9587	801.18
1230	0.188	15	3000	86K6708	123.52	02F7897	891.70
1231	0.250	14	4200	02F7898	166.95	02F7900	1243.87
1232	0.375	12	7200	02F7901	267.14	02F7903	2050.48
1233/2	0.500	10	9600	89K8038	337.98	02F7906	2643.93
1233	0.625	10	9600	02F7907	357.76	02F7909	2793.00
1234	0.750	7	20800	02F7910	804.32	02F7912	6425.89
1235	1.000	7	20800	89K8039	860.43	02F7915	6892.88
1239	1.375	5	33700	85K9588	911.07	02F9054	7844.82
1240	1.500	3	53064	02F9055	1276.46	...	...
1241	1.750	30	125424	03F3292	2731.47	...	...
1242	2.000	30	154368	02F9056	3427.75	...	...
1242/4	3.000	30	225000	02F9057	6611.90	...	...

(6462)

FRAY-RESISTANT BRAIDED EXPANDABLE SLEEVING

Just Added



- Resists fraying when cut with scissors
- Provides continuous abrasion protection resistance for wires, cable and tubing
- Highly-flexible open weave will not trap heat or humidity
- For indoor use only

Woven of fray-resistant, black polyethylene terephthalate. Temperature range: 70°C to 125°C (94°F to 257°F). UL recognized, CSA certified.

Mfg. Part No.	Nominal Inner Dia. (in.)	Cable Bundle Diameter (in.)		Spool Length (ft.)*	Stock No.	Price per Spool
		Min	Max.			1-4
SE12PSC-TR0	0.125	0.125	0.250	200	39M3231	305.25
SE25PSC-TR0	0.250	0.156	0.438	200	39M3234	227.28
SE38PSC-TR0	0.380	0.187	0.625	200	39M3235	375.30
SE50PSC-CR0	0.500	0.250	0.750	100	39M3236	231.25
SE75PSC-CR0	0.750	0.625	1.000	100	39M3237	268.25
SE125PSC-LR0	1.250	1.000	1.500	50	39M3232	157.25
SE150PSC-LR0	1.500	1.250	2.000	50	39M3233	194.25

*NOTE: Spool may contain splices (90840)

BRAIDED EXPANDABLE SLEEVING



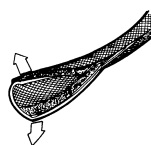
- Provides Continuous Abrasion Protection for Wires, Cables and Tubing
- Lightweight, Yet Durable Protection
- Highly Flexible Open Weave will not Trap Heat or Humidity

Material: polyethylene terephthalate - general-purpose polyester for applications up to 125°C. UL recognized, CSA certified.

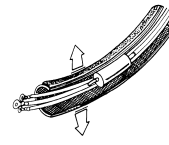
Mfg. Part No.	Nom. Dia. Range	Nom. I.D.	Spool Size (ft.)	Stock No.	Price per Spool
● SE12P-TR0	0.094" - 0.250"	0.125"	200'	97B2970	118.16
● SE25P-TR0	0.125" - 0.375"	0.250"	200'	33C1006	159.66
● SE38P-TR0	0.188" - 0.562"	0.375"	200'	50B6640	224.09
● SE50P-CR0	0.250" - 0.750"	0.500"	100'	50B6641	165.05
● SE75P-CR0	0.500" - 1.25"	0.750"	100'	91B3959	207.26
● SE125P-LR0	0.750" - 1.50"	1.25"	50'	33C4166	129.55
● SE150P-LR0	1.00" - 2.25"	1.50"	50'	08C4831	171.43

(68796)

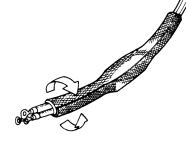
HOOK & LOOP WRAP SLEEVING



1. Opens Easily



2. Insert Wire, Cable, or Tubing



3. Just Wrap and Seal

Lightweight, expandable, braided monofilament sleeving with hook & loop fastening system is designed to allow easy wrap bundling and protection for wire, cable, hoses, and tubes. Monofilaments are constructed from durable P.E.T. providing continuous protection against abrasion, fungus, and rotting in addition to being unaffected by most chemical environments, and solvents. Temperature rating: -75°C to +125°C. Melt temperature: +250°C. **Sold in 25' spools.**

Mfg. Part No.	Nom. I.D.	25' Spool	
		Stock No.	Price per Spool
● 8465-0238	1/2"	52N9778	110.86
● 8465-0239	3/4"	52N9779	124.13
● 8465-0240	1 1/4"	52N9780	169.61
● 8465-0241	2"	52N9781	180.98

(6342)

ELECTRICAL SLEEVING

HI-TEMP RESIN COATED
FIBERGLASS SLEEVING

Features

- Resin coated, heavy weight, braided fiberglass
- Protects to 1200°F
- Minimal dusting when cut and handled
- Cut and abrasion resistant
- Easy to install - cuts with scissors
- Asbestos free
- Resists gasoline and engine chemicals
- Color: black



Hi-Temp, resin coated sleeving is an extremely high temperature resistant sleeve commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments, such as engine manifolds and exhaust systems. It installs easily over a variety of applications to either deflect or retain heat in environments up to 1,200°F

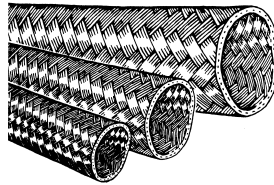
Nominal Size (Inches)	Maximum Dia. (Inches)	Wall Thickness (Inches)	Mfg. Part No.	Spool Size (ft.)	Stock No.	Price per Spool
.250	.500	.043	● SPC14520	100	26K1791	59.21
.375	.625	.043	● SPC14521	100	26K1792	97.41
.500	.750	.046	● SPC14522	100	26K1793	143.25
.625	.875	.046	● SPC14523	50	26K1794	79.27
.750	1.125	.046	● SPC14524	50	26K1795	88.82
.875	1.250	.046	● SPC14525	50	26K1796	95.50
1.00	1.625	.057	● SPC14526	25	26K1797	68.29

(84567)

BRAIDED FIBERGLASS
ELECTRICAL SLEEVING

- Class 240C Insulation
- Heat Annealed
- UL Recognized (File E92997)

Tightly braided fiberglass sleeving designed as Class 240C insulation that is heat annealed to remove organic impurities, improve handling and reduce end fraying. Compatible with varnishes, epoxies and bonding agents where maximum reinforcement between the glass and encapsulant is needed. Can be used as primary and secondary insulation for motor leads, small appliances, brush assemblies, electric resistance heating elements, and similar low voltage applications. Ideal for abrasion and cut-through protection over insulated leads. Operating temperature: -76°F (-60°C) to +1200°F (649°C). **Sold in spools of 100'.**



NATURAL COLOR, HEAT-TREATED SLEEVING

Mfg. Part No.	Size	Nom. I.D.	Nom. Wall Thickness	100' Spool Stock No.	Price per Spool
● SPC4913	24	0.022"	0.012"	50N080	13.03
● SPC4914	22	0.027"	0.012"	50N081	13.13
● SPC4915	20	0.034"	0.012"	50N082	13.43
● SPC4916	18	0.042"	0.012"	50N083	13.93
● SPC4917	16	0.053"	0.013"	50N084	14.00
● SPC4918	14	0.066"	0.015"	50N085	14.30
● SPC4919	12	0.085"	0.015"	50N086	15.70
● SPC4920	10	0.106"	0.015"	50N087	17.00
● SPC4921	8	0.133"	0.015"	50N088	19.58
● SPC4922	6	0.166"	0.015"	50N089	22.28
● SPC4923	4	0.208"	0.015"	50N090	27.59
● SPC4924	2	0.263"	0.018"	50N091	35.41
● SPC4925	0	0.330"	0.018"	50N092	46.70
● SPC4926	3/8"	0.375"	0.022"	50N093	69.54
● SPC4927	7/16"	0.438"	0.022"	50N094	92.39
● SPC4928	1/2"	0.500"	0.022"	50N095	120.11
● SPC4929	5/8"	0.625"	0.022"	50N096	144.96
● SPC4930	3/4"	0.750"	0.022"	50N097	179.33
● SPC4932	1"	1.000"	0.022"	50N099	257.02

TAN DYED, HEAT-TREATED SLEEVING

The addition of a tan-colored, high-temperature resin dye affords additional fray resistance and firmness required for cutting and installation.

● GSX-S24-1100-NAT	24	0.022"	0.012"	04F4470	13.70
● GSX-S22-1100-NAT	22	0.027"	0.012"	04F4471	13.83
● GSX-S20-1100-NAT	20	0.034"	0.012"	04F4472	14.13
● GSX-S18-1100-NAT	18	0.042"	0.012"	04F4473	14.30
● GSX-S16-1100-NAT	16	0.053"	0.013"	04F4474	14.73
● GSX-S14-1100-NAT	14	0.066"	0.015"	04F4475	15.03
● GSX-S12-1100-NAT	12	0.085"	0.015"	04F4476	16.54
● GSX-S10-1100-NAT	10	0.106"	0.015"	04F4477	17.91
● GSX-S08-1100-NAT	8	0.133"	0.015"	04F4478	20.61
● GSX-S06-1100-NAT	6	0.166"	0.015"	04F4479	23.45
● GSX-S04-1100-NAT	4	0.208"	0.015"	04F4480	29.03
● GSX-S02-1100-NAT	2	0.263"	0.018"	04F4481	37.28
● GSX-S00-1100-NAT	0	0.330"	0.018"	04F4482	49.17
● GSX-024-1100-NAT	3/8"	0.375"	0.022"	04F4483	73.22
● GSX-028-1100-NAT	7/16"	0.438"	0.022"	04F4484	97.26

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BRAIDED FIBERGLASS ELECTRICAL SLEEVING (CONT.)

TAN DYED, HEAT-TREATED SLEEVING

Mfg. Part No.	Size	Nom. I.D.	Nom. Wall Thickness	100' Spool Stock No.	Price per Spool
● GSX-032-1100-NAT	1/2"	0.500"	0.022"	04F4485	126.42
● GSX-040-1100-NAT	5/8"	0.625"	0.022"	04F4486	152.41
● GSX-048-1100-NAT	3/4"	0.750"	0.022"	04F4487	188.78
● GSX-064-1100-NAT	1"	1.00"	0.022"	04F4489	270.54

(6350)

EXPANDABLE SLEEVING



Non Flame Retardant

- Meets UL VW-1 Specifications.
- Mil-202, FAR 25, FMVSS 302, FR-1 Approved
- Standard Operating Temperature: -70°C to +125°C
- Melting Temperature: 250°C
- Resists Gasoline and Engine Chemicals



Flame Retardant

- Cut & Abrasion Resistant
- Flame-Retardant Sleeving Features White Criss-Cross Threaded Tracer.
- Available in Standard and Flame-Retardant Grades

BLACK STANDARD SLEEVING

Mfg. Part No.	Size	Min. Dia.	Expanded Size	Spool Size (ft.)	Stock No.	Price per Spool
● 8465-0228	1/8"	0.093"	0.125"	100'	52N9768	28.26
● 8465-0229	1/4"	0.125"	0.438"	100'	52N9769	32.97
● 8465-0230	3/8"	0.187"	0.625"	100'	52N9770	42.39
● 8465-0231	1/2"	0.250"	0.750"	100'	52N9771	70.65
● 8465-0232	3/4"	0.500"	1.250"	50'	52N9772	55.33
● 8465-0233	1 1/4"	0.750"	1.750"	50'	52N9773	72.94
● 8465-0234	1 1/2"	0.750"	2.000"	50'	52N9774	85.51
● 8465-0235	1 3/4"	1.250"	2.750"	25'	52N9775	60.48
● 8465-0236	2"	1.500"	3.500"	25'	52N9776	85.68
● 8465-0237	2 1/2"	1.750"	4.500"	25'	52N9777	93.24

BLACK FLAME-RETARDANT SLEEVING — WHITE TRACER

● SPC20176	1/8"	0.093"	0.125"	100'	87K0914	37.68
● SPC20177	1/4"	0.125"	0.438"	100'	87K0915	56.52
● SPC20178	1/2"	0.250"	0.750"	100'	87K0916	98.91
● SPC20179	3/4"	0.500"	1.250"	50'	87K0917	83.00
● SPC20180	1 1/4"	0.750"	1.750"	50'	87K0918	110.66
● SPC20181	1 3/4"	1.250"	2.750"	25'	87K0919	93.24
● SPC20182	2"	1.500"	3.500"	25'	87K0920	118.44
● SPC20183	2 1/2"	1.750"	4.500"	25'	87K0921	154.98

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FRAY-RESISTANT
EXPANDABLE SLEEVING

Non Flame Retardant

- Resists Fraying When Cut With Scissors.
- Increased Braid Density for Fuller Coverage.
- High Abrasion Resistance.
- Temperature Range: -75°C to +125°C



Flame Retardant

- Melting Temperature: 230°C
- UL Recognized (file E107055)
- CSA Certified (file LR66145-1).
- Available in Standard and Flame-Retardant Grades

STANDARD SLEEVING

Mfg. Part No.	Size	Expansion Min.	Expansion Max.	Spool Size	Stock No.	Price per Spool
● SPC5146	1/8"	1/8"	1/4"	100'	50N469	33.68
● SPC5147	1/4"	5/32"	7/16"	100'	50N470	42.10
● SPC5148	3/8"	3/16"	5/8"	100'	50N471	63.15
● SPC5149	1/2"	1/4"	3/4"	100'	50N472	75.78
● SPC5150	3/4"	5/8"	1"	50'	50N473	46.31
● SPC5151	1"	3/4"	1 1/8"	50'	50N474	52.63
● SPC5152	1 1/4"	1"	1 1/2"	50'	50N475	67.36
● SPC5153	1 1/2"	1 1/4"	2"	50'	50N476	82.10

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ELECTRICAL SLEEVING • HEAT-SHRINK GUNS & ACCESSORIES

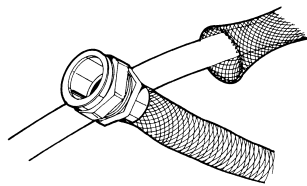
FRAY-RESISTANT EXPANDABLE SLEEVING (CONT.)

FLAME-RETARDANT SLEEVING

Mfg. Part No.	Size	Expansion		Spool Size	Stock No.	Price per Spool
		Min.	Max.			
● SPC20168	1/8"	1/8"	1/4"	100'	87K0905	54.73
● SPC20169	1/4"	5/32"	7/16"	100'	87K0906	75.78
● SPC20170	3/8"	3/16"	5/8"	100'	87K0907	109.46
● SPC20171	1/2"	1/4"	3/4"	100'	87K0908	130.51
● SPC20172	3/4"	5/8"	1"	50'	87K0909	86.31
● SPC20173	1"	3/4"	1 1/8"	50'	87K0910	101.04
● SPC20174	1 1/4"	1"	1 1/2"	50'	87K0911	124.20
● SPC20175	1 1/2"	1 1/4"	2"	50'	87K0913	164.19

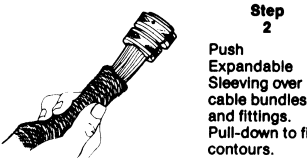
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EXPANDABLE MONOFILAMENT SLEEVING



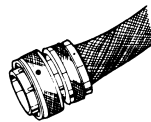
Step 1

Turn end inward to form large opening or "Fish Mouth". Slide over end fitting.



Step 2

Push Expandable Sleeve over cable bundles and fittings. Pull-down to fit contours.



Step 3

Expandable Sleeve becomes a snug, form fitting cover to protect the finished product.

Highly fray resistant expandable monofilament sleeving in both standard polyester and flame-retardant polyester constructions. Both materials provide outstanding flexible abrasion protection and bundling characteristics. Both are also extremely durable and are unaffected by most chemical environments and common solvents. The high level of fray resistance allows cutting without using a hot knife, and manual or normal shop handling without fraying problems. Both have highest levels of flexibility and full 3:1 expansion ratios. Standard operating temperature: -70°C to +125°C. Flame-retardant version meets UL VW-1 specifications. UL recognized. Sold in spool lengths indicated.

BLACK STANDARD SLEEVING

Mfg. Part No.	Size	Expanded Size	Spool Size (ft.)	Stock No.	Price per Spool
● SPC12212	1/8"	1/4"	100'	06H1236	20.36
● SPC12213	1/4"	7/16"	100'	06H1237	23.71
● SPC12214	3/8"	1/2"	100'	06H1238	39.43
● SPC12215	1/2"	3/4"	100'	06H1239	43.93
● SPC12216	3/4"	1 1/4"	50'	06H1240	31.16
● SPC12217	1 1/4"	1 3/4"	50'	06H1241	42.27
● SPC12218	1 3/4"	2 3/4"	25'	06H1242	31.23
● SPC12219	2"	3 1/2"	25'	06H1243	56.65
● SPC12220	2 1/2"	4 1/2"	25'	06H1244	57.06

BLACK FLAME-RETARDANT SLEEVING — WHITE TRACER

SPC12221	1/8"	1/4"	100'	06H1245	25.46
SPC12222	1/4"	7/16"	100'	06H1246	44.12
SPC12223	3/8"	1/2"	100'	06H1247	56.69
SPC12224	1/2"	3/4"	100'	06H1248	72.89
SPC12225	3/4"	1 1/4"	50'	06H1249	48.64
SPC12226	1 1/4"	1 3/4"	50'	06H1250	60.79
SPC12227	1 3/4"	2 3/4"	25'	06H1251	50.58
SPC12228	2"	3 1/2"	25'	06H1252	72.64
SPC12229	2 1/2"	4 1/2"	25'	06H1253	81.75

(74117)

EMI/RFI COPPER SHIELDING TAPE



Provides a low impedance connection between metal connector backshell and braided cable shield in molded cable. The pressure-sensitive adhesive contains a uniform dispersion of unique oxidation-resistant conductive particles resulting in shielding performance approx. 50dB (5dB better than other metal foil shielding tapes). Flame retardant per UL standard 510. Meets ASTM-D-1000 and MIL-Standard 202C, Method 303 specifications. Sold in rolls of 36 yards.

Mfg. Part No.	Width (In.)	Stock No.	Price Each
● CST5 NC087	0.5	48F7014	284.16
● CST-15-36YDS	1.5	50F9571	438.62
● CST-20-36YDS	2	06M3826	1077.48

(6416)

HALAR® EXPANDABLE SLEEVING



- High abrasion and cut resistance
- Chemically inert
- Cuts easily with hot knife
- Halogen-free, low outgassing, approved for plenum applications
- Flammability Rating: UL94 V-0, FAR 25.853, FMVSS 302
- Underwriters Lab VW-1 rating
- Radiation resistant
- Operating Temp. -103°F to 320°F
- Ideal in corrosive environments
- Color: Black with White Tracer



HALAR® self-extinguishing sleeving is used where flammability, high temperature endurance and low outgassing are primary concerns. Our sleeving is braided from 11 mil filaments of ethylene chlorotrifluoroethylene (ECTFE) copolymer. Because of its low flame spread and smoke generation properties, HALAR® has received UL 910 (NFPA 262) plenum listing, UL flame resistance rating of VW-1 and meets automotive industry requirements of FMVSS 302. Resists a wide range of corrosive chemicals and organic solvents, including strong acids, chlorine and aqueous caustics. ECTFE also maintains useful properties on exposure to cobalt 60 radiation at doses up to 200 megarads.

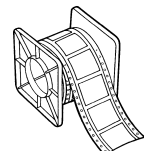
Mfg. Part No.	Nominal Size (inches)	Size Range (inches)	Spool Size (ft.)	Stock No.	Price per Spool
● SPC14307	0.125	0.094-0.250	100	72J8440	71.00
● SPC14308	0.250	0.125-0.438	100	72J8441	99.40
● SPC14309	0.375	0.188-0.625	100	72J8442	227.20
● SPC14310	0.500	0.250-0.750	100	72J8443	266.25
● SPC14311	0.750	0.500-1.250	50	72J8444	204.13
● SPC14312	1.250	0.750-1.750	50	72J8445	292.88
● SPC14313	1.750	1.250-2.750	25	72J8446	235.19
● SPC14314	2.000	1.500-3.500	25	72J8447	266.25

(83657)

FIT®-PRINT HEAT SHRINKABLE IDENTIFICATION SYSTEM



FIT®-PRINT is designed to economically meet the wire identification needs of the electronic interconnect, industrial, computer, office automation, marine, and electrical markets. Constructed of polyolefin tubing with a 3:1 shrink ratio, smear-resistant sleeves feed directly into standard typewriters or dot matrix printers. All markers are 2" wide. UL recognized standard 224. Sold in spools of 250 markers.



FIT®-PRINT

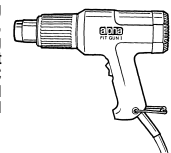
Mfg. Part No.	Approx. Wire Gauge (AWG)		Minimum I.D. Space	Color	Stock No.	Price per Spool
	Min.	Max.				
● FPRINT1/8 YL082	22	16	0.125"	Yellow	93F5821	145.15
● FPRINT1/8 WH082	22	16	0.125"	White	93F5820	145.15
● FPRINT1/4 WH082	16	8	0.250"	White	93F5822	153.82
● FIT-PRINT-1/2 YEL	8	2	0.500"	Yellow	89K7903	375.26
● FPRINT1/2 WH082	8	2	0.500"	White	93F5824	375.26
● FPRINT1 WH082	2	400	1.000"	White	92F7200	720.95

(6469)

FIT® HEAT GUNS



Alpha Fit Gun-1 and Fit Gun-3: Lightweight, quiet, two-temperature heat guns. Multi-purpose for industrial applications; 3-position rocker switch (off-low-high) quiet, brushless DC motor. Ceramic encapsulated heating element protects against coil breakage, reduces internal heat concentration, prolongs coil life and concentrates air flow; lightweight, high impact housing for increased durability. UL listed. CSA certified. Temperature settings: Fit Gun-1: Low: 300°C (570°F); High: 566°C (1050°F). Fit Gun-3: Low: 400°C (750°F); High: 590°C (1090°F). Price of Fit Gun-3 includes built-in stand and hanging ring as well as accessory mfg. part no. GA-20 hook reflector and mfg. part no. GA-21 concentrator nozzle.



Mfg. Part No.	Description	Stock No.	Price Each
FGUN1 NC032	Fit Gun-1	95F3604	183.72
FIT-GUN-3	Fit Gun-3	93F1914	84.23

(6404)

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(94650)

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HEAT-SHRINK GUNS & ACCESSORIES • HEAT-SHRINK TUBING

DELUXE HIGH-TEMPERATURE HEAT GUN
AND ACCESSORIES

Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Mfg. part no. 2390 heat gun features automatic temperature control and cool air stage. Built-in temperature sensor regulates and monitors temperature electronically, allowing user to select a specified temperature within the 120°F–1100°F range. High and low hot air flow settings up to 17cfm. Selectable cool air stage for drying, cleaning or cooling. Voltage: 120VAC. Output: 1500W. UL listed.

Mfg. Part No.	Fig.	Description	Stock No.	Price Each
2390	1	Heat Gun	92N4506	190.08
2391	2	3" Reflector Nozzle for Large Dia. Applications	92N4507	18.36
2392	3	1 1/4" Reflector Nozzle for Med. Dia. Applications	92N4508	12.86
2393	4	3/4" Reflector Enclosed Nozzle with No Vents for Quick Heat to Solder Sink Wire Connectors	92N4509	14.04
2394	5	3/4" Reflector Nozzle with 1 1/2" Reflector that is Formed for Shrinking Small Dia. Tubing	92N4510	21.50

(13546)

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(94662)

3

FP-301VW SERIES (2:1) SHRINK RATIO, FLAME-RESISTANT,
FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

FP-301VW series offers the same physical, electrical, and chemical properties as FP-301 series tubing, order separately, with the addition of superior flame resistance. Ideal as fire resistant coverings of components and flammable wire assemblies. Meets MIL-DTL-23053/5 Class 3 requirements. Rated for continuous operations from -55°C/-67°F to

135°C/275°F and withstands elevated temperatures to 300°C/572°F for short periods of time. Shrink ratio: 2:1. Minimum shrink temperature is 100°C/212°F. Black only. Selected sizes of FP-301VW series tubing also available in assortment packs, order separately; go online or call.

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Thick. (In.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Box	Total Footage	Stock No.	Price per Box		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.047	0.046	0.023	0.016	FP-301VW 3/64" BL 48" BX	25	100	95F7573	23.18	FP-301VW 3/64" BL 6" PC	40	20	95F7587	11.04
0.063	0.063	0.031	0.017	FP-301VW 1/16" BL 48" BX	25	100	95F7574	23.68	FP-301VW 1/16" BL 6" PC	38	19	95F7588	11.04
0.094	0.093	0.046	0.02	FP-301VW 3/32" BL 48" BX	25	100	95F7575	26.88	FP-301VW 3/32" BL 6" PC	36	18	95F7589	11.04
0.125	0.125	0.062	0.02	FP-301VW 1/8" BL 48" BX	25	100	95F7576	28.41	FP-301VW 1/8" BL 6" PC	34	17	95F7590	11.04
0.188	0.187	0.093	0.02	FP-301VW 3/16" BL 48" BX	25	100	95F7577	34.50	FP-301VW 3/16" BL 6" PC	30	15	95F7591	11.04
0.25	0.250	0.125	0.025	FP-301VW 1/4" BL 48" BX	12	48	95F7578	21.77	FP-301VW 1/4" BL 6" PC	26	13	95F7592	11.04
0.375	0.375	0.187	0.025	FP-301VW 3/8" BL 48" BX	12	48	95F7579	24.27	FP-301VW 3/8" BL 6" PC	24	12	95F7593	11.04
0.5	0.500	0.250	0.025	FP-301VW 1/2" BL 48" BX	12	48	95F7580	26.26	FP-301VW 1/2" BL 6" PC	20	10	95F7594	11.04
0.75	0.750	0.375	0.03	FP-301VW 3/4" BL 48" BX	12	48	95F7581	35.28	FP-301VW 3/4" BL 6" PC	14	7	95F7595	11.04
1	1.000	0.500	0.035	FP-301VW 1" BL 48" BX	5	20	95F7582	20.53	FP-301VW 1" BL 6" PC	6	5	95F7596	11.04
1.5	1.500	0.750	0.04	FP-301VW 1 1/2" BL 48" BX	5	20	95F7583	26.26	FP-301VW 1 1/2" BL 6" PC	6	3	95F7597	9.74
2	2.000	1.000	0.045	FP-301VW 2" BL 48" BX	5	20	95F7584	52.83	FP-301VW 2" BL 6" PC	4	2	95F7598	11.04
3	3.000	1.500	0.05	FP-301VW 3" BL 48" BX	2	8	95F7585	42.65	FP-301VW 3" BL 6" PC	3	1.5	95F7599	10.29
4	4.000	2.000	0.055	FP-301VW 4" BL 48" BX	2	8	95F7586	55.42	...	...	...	...	...

(6392)

VFP-876 SERIES LOW SHRINK TEMPERATURE, VERY-
FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING

Same physical, electrical, and chemical properties as FP-301 series tubing with two additional features: 100°C shrink temperature (versus 121°C), to minimize damage on temperature-sensitive components; and extra-flexibility for

insulating flexible wire bundles. Meets MIL-R-46846 Type V specifications. UL recognized E39100, CSA certified LR 38227. Stock numbers listed in table below are black. White and yellow color tubing available; go online or call.

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.047	0.046	0.023	0.016	VFP-876 3/64" BL 48" BX	25	100	97H8169	34.30	VFP-876 3/64" BL 6" PC	40	20	95F7613	10.64
0.063	0.063	0.031	0.017	VFP-876 1/16" BL 48" BX	25	100	95F7602	36.65	VFP-876 1/16" BL 6" PC	38	19	95F7614	10.64
0.094	0.093	0.046	0.02	VFP-876 3/32" BL 48" BX	25	100	95F7603	37.39	VFP-876 3/32" BL 6" PC	36	18	95F7615	10.64
0.125	0.125	0.062	0.02	VFP-876 1/8" BL 48" BX	25	100	95F7604	40.30	VFP-876 1/8" BL 6" PC	34	17	95F7616	10.64
0.188	0.187	0.093	0.02	VFP-876 3/16" BL 48" BX	25	100	95F7605	48.85	VFP-876 3/16" BL 6" PC	30	15	95F7617	10.64
0.25	0.250	0.125	0.025	VFP-876 1/4" BL 48" BX	12	48	95F7606	30.00	VFP-876 1/4" BL 6" PC	26	13	95F7618	10.64
0.375	0.375	0.187	0.025	VFP-876 3/8" BL 48" BX	12	48	95F7607	33.40	VFP-876 3/8" BL 6" PC	24	12	95F7619	10.64

➤ CONTINUED ➤

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HEAT-SHRINK TUBING

VFP-876 SERIES LOW SHRINK TEMPERATURE, VERY-FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4
0.5	0.500	0.250	0.025	● VFP-876 1/2" BL 48" BX	12	48	95F7608	39.88	● VFP-876 1/2" BL 6" PC	20	10	95F7620	10.64
0.75	0.750	0.375	0.03	● VFP-876 3/4" BL 48" BX	12	48	95F7609	50.27	● VFP-876 3/4" BL 6" PC	14	7	95F7621	10.64
1	1.000	0.500	0.035	● VFP-876 1" BL 48" BX	5	20	95F7610	31.02	● VFP-876 1" BL 6" PC	10	5	95F7622	10.64
1.5	1.500	0.750	0.04	● VFP-876 1 1/2" BL 48" BX	5	20	95F7611	52.01	● VFP-876 1 1/2" BL 6" PC	6	3	95F7623	10.64
2	2.000	1.000	0.045	● VFP-876 2 BLK 4FT	5	20	95F7612	70.09	● VFP-876 2" BL 6" PC	4	2	95F7624	10.64

(6380)

KYNAR®* (2:1) SHRINK RATIO, SPECIAL-PURPOSE, MODIFIED POLYVINYLIDENE FLUORIDE (PVDF) HEAT-SHRINK TUBING



Kynar® insulation is ideal for extremes in temperature or environment. A cross-linked, thin-walled, heat-shrinkable tubing offering a high degree of mechanical strength and high-temperature resistance. Modified polyvinylidene fluoride makes it resistant to corrosive, flame-retardant, semi-rigid and highly-resistant to most industrial fuels, chemicals and solvents, as well as mechanically tough for cut-through and abrasion resistance with a high 900V/mil dielectric strength. Rated for continuous operation from -55°C to +175°C. Rigidity and transparency make Kynar® tubing a good choice for strain relief and identification. Shrink ratio: 2:1. UL recognized E-39100, VW-1, E-69751; CSA certified LR 38227, 0FT; meets MIL-DTL-23053/8, DTL-23053/18, Class 1 specifications. Clear only.



Size (In.)	Expand ID (In., Min.)	Recover ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
					Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4
0.047	0.046	0.023	0.01	KYNAR-3/64-48-CLEAR SMBX	25	100	97H4154	75.54	● KYNAR 3/64" CR 6" PC	30	15	95F7702	16.77
0.063	0.063	0.031	0.01	● KYNAR-1/16-48-CLEAR SM BX	25	100	97H4148	54.11	● KYNAR 1-16	28	14	07J6850	16.77
0.094	0.093	0.046	0.01	KYNAR-3/32-48-CLEAR SM BX	25	100	97H4152	82.91	● KYNAR 3/32" CR 6" PC	26	13	95F7704	16.77
0.188	0.187	0.093	0.01	● KYNAR-1/8-48-CLEAR	12	48	05J1787	96.78	● KYNAR 1/8" CR 6" PC	24	12	95F7705	16.77
0.188	0.187	0.093	0.01	● KYNAR-1/8-48-CLEAR	12	48	05J1787	96.78	● KYNAR 3/16" CR 6" PC	18	9	95F7706	16.77
0.25	0.250	0.125	0.012	KYNAR-1/4-48-CLEAR BX	12	48	97H4150	86.34	● KYNAR 1/4" CR 6" PC	14	7	95F7707	16.77
0.375	0.375	0.187	0.012	● KYNAR-3/8-48-CLEAR	12	48	97H4155	115.88	● KYNAR 3/8" CR 6" PC	12	6	95F7708	16.77
0.5	0.500	0.250	0.012	KYNAR-1/2-48-CLEAR	5	20	97H4149	70.12	● KYNAR 1/2" CR 6" PC	8	4	95F7709	16.77
0.75	0.750	0.375	0.017	KYNAR-3/4-48-CLEAR SM BX	5	20	97H4153	134.86	● KYNAR 3/4" CR 6" PC	4	2	95F7710	16.77

*ELF ATDCHEM North America, Inc.
(6390)

EPS-200 SERIES (2:1) SHRINK RATIO, ADHESIVE-LINED, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING



EPS-200 series tubing features one step environmental protection of electronic, electrical, automotive, and marine wiring. As the flame retardant, flexible polyolefin outer wall shrinks to a skin-tight fit, the hot melt adhesive is pushed into

voids and crevices. Upon cooling the adhesive solidifies and bonds to form a permanent moisture-proof barrier. 2:1 shrink ratio. Jacket meets UL 224 all tubing flame test. -55°C to +110°C continuous operating temperature. Meets MIL-DTL-23053/4 Class 2 specifications. Black only. UL recognized.

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Total Recovered Wall (In., Nom.)	Melttable Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
						Lengths Per Pkg.	Total Ft.	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Ft.	Stock No.	Price per Pkg.
0.125	0.125	0.063	0.027	0.004	● EPS-200-1/8-48-BLACK	25	100	95F7653	85.75	● EPS-200 1/8" BL 6" PC	28	14	95F7662	18.67
0.188	0.187	0.093	0.027	0.004	● EPS-200-3/16-48-BLACK*SM	12	48	95F7654	44.82	● EPS-200 3/16" BL 6" PC	24	12	95F7663	18.67
0.25	0.250	0.125	0.03	0.005	● EPS-200-1/4-48-BLACK SM	12	48	95F7655	56.08	● EPS-200 1/4" BL 6" PC	20	10	95F7664	18.67
0.375	0.375	0.187	0.031	0.005	● EPS-200-3/8-48-BLACK SM	12	48	95F7656	63.14	● EPS-200 3/8" BL 6" PC	16	8	95F7665	18.67
0.5	0.500	0.250	0.032	0.006	● EPS-200-1/2-48-BLACK SM	12	48	95F7657	72.57	● EPS-200 1/2" BL 6" PC	14	7	95F7666	18.67
0.75	0.750	0.375	0.037	0.006	● EPS-200-3/4-48-BLACK	5	48	95F7658	41.33	● EPS-200 3/4" BL 6" PC	12	6	95F7667	18.67
1	1.000	0.500	0.046	0.008	● EPS-200-1-48-BLACK	5	20	95F7659	60.76	● EPS-200 1" BL 6" PC	8	4	95F7668	18.67
1.5	1.500	0.750	0.049	0.008	● EPS-200-1 1/2-48-BLACK	5	20	97H8160	106.33	● EPS-200 1 1/2" BL 6" PC	4	2	95F7669	18.67
2	2.000	1.000	0.06	0.015	● EPS-200-2-48-BLACK 2/BOX	2	8	95F7661	68.09	● EPS-200 2" BL 6" PC	2	1	95F7670	18.67

(6382)

MW SERIES (2.5:1) SHRINK RATIO, ADHESIVE-LINED, SEMI-RIGID, POLYOLEFIN HEAT-SHRINK TUBING



Encapsulates and seals in one step in the same way as EPS-200 series tubing. Semi-rigid outerwall gives superior abrasion and cut-through resistance. 2.5:1 shrink ratio. -55°C to +110°C continuous operating temperature. Meets MIL-DTL-23053/4 Class 1 specifications. Black only. UL recognized.

Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Total Recovered Wall (In., Nom.)	Melttable Recovered Wall (In., Nom.)	Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
						Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.125	0.125	0.023	0.038	0.020	● MW-1/8-48-BLACK	25	100	97H8164	110.18	● MW 1/8" BL 6" PC	28	14	95F7646	23.33
0.188	0.187	0.060	0.043	0.025	● MW-3/16-48-BLACK	12	48	97H8165	65.10	● MW 3/16" BL 6" PC	24	12	95F7647	23.33
0.25	0.250	0.080	0.047	0.027	● MW-1/4-48-BLACK	12	48	97H8163	80.79	● MW 1/4" BL 6" PC	20	10	95F7648	23.33
0.375	0.375	0.130	0.05	0.030	● MW-3/8-48-BLACK	12	48	97H8167	91.61	● MW 3/8" BL 6" PC	16	8	95F7649	23.33
0.5	0.500	0.195	0.055	0.035	● MW-1/2-48-BLACK	12	48	97H8162	103.29	● MW 1/2" BL 6" PC	14	7	95F7650	23.33
0.75	0.750	0.313	0.065	0.040	● MW-3/4-48-BLACK	5	20	97H8166	69.94	● MW 3/4" BL 6" PC	12	6	95F7651	23.33
1	1.000	0.400	0.075	0.040	● MW-1-48-BLACK	5	20	97H8161	88.51	● MW 1" BL 6" PC	8	4	95F7652	23.33

(6383)

HEAT-SHRINK TUBING

EPS-300 SERIES (3:1) SHRINK RATIO, ADHESIVE-LINED, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING



Melttable inner wall of **EPS-300 series** tubing forms a moistureproof barrier, making it the product of choice for outdoor, automotive, or marine applications. 3:1 shrink ratio helps to seal uneven surfaces such as connectors and components.

Jacket meets UL 224 all tubing flame test, -55°C to +110°C continuous operating temperature, meets MIL-DTL-23053/4 Class 3. Black only. UL recognized.

Size	Expand ID (Min.)	Recover ID (Max.)	Recovered Wall Nom. Thick.		Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
			Total Wall	Melt. Wall		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
3/16"	0.187"	0.062"	0.040"	0.020"	● EPS-300-3/16-48-BLACK	12	48'	95F7671	77.90	● EPS-300 3/16BLK6I	24	12'	95F7678	30.32
1/4"	0.250"	0.080"	0.040"	0.020"	● EPS-300-1/4-48-BLACK BX	12	48'	95F7672	96.44	● EPS-300 1/4" BL 6" PC	20	10'	95F7679	30.32
3/8"	0.375"	0.120"	0.055"	0.025"	● EPS-300-3/8-48-BLACK	12	48'	95F7673	109.12	● EPS-300 3/8" BL 6" PC	16	8'	95F7680	30.32
1/2"	0.500"	0.160"	0.070"	0.030"	● EPS-300-1/2-48-BLACK BX	12	48'	95F7674	127.52	● EPS-300 1/2-BLACK	14	7'	95F7681	28.09
3/4"	0.750"	0.250"	0.085"	0.035"	● EPS-300-3/4-48-BLACK SM	5	20'	95F7675	74.75	● EPS-300-3/4-BLACK	12	6'	95F7682	28.09
1"	1.000"	0.320"	0.100"	0.040"	● EPS-300-1-48-BLACK*SM	5	20'	95F7676	110.54	● EPS-300 1 BLK 6IN	8	4'	95F7683	28.09
1 1/2"	1.500"	0.510"	0.100"	0.040"	● EPS-300-1 1/2-48-BLACK	5	20'	95F7677	174.41	● EPS-300 1 1/2" BL 6" PC	4	2'	95F7684	30.32

(6388)

3

EPS-400 SERIES (4:1) SHRINK RATIO, ADHESIVE-LINED, SEMI-RIGID POLYOLEFIN HEAT-SHRINK TUBING



EPS-400 series tubing provides one step environmental protection in the same way as **EPS-300 series**, *order separately on this page*, but a thicker melttable inner wall makes it ideal for sealing multiple wire bundles. 4:1 shrink ratio

helps seal uneven surfaces such as in-line components. Heavy outer wall provides tough mechanical protection. -55°C to +110°C continuous operating temperature. Black only. UL recognized.

Size	Expand ID (Min.)	Recover ID (Max.)	Recovered Wall Nom. Thick.		Mfg. Part No.	4' Lengths				Mfg. Part No.	6" Lengths			
			Melt. Wall	Outer Wall		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.		Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg.
0.300"	0.300"	0.060"	0.033"	0.028"	...	...	...	...	...	● EPS-400 .300" BL 6" PC	22	11'	95F7689	36.21
0.350"	0.350"	0.080"	0.038"	0.033"	...	...	...	...	...	● EPS-400 .350" BL 6" PC	20	10'	95F7690	36.21
0.450"	0.450"	0.105"	0.043"	0.053"	● EPS-400-.450-48-BLACK SM	12	48'	95F7687	156.31	● EPS-400 .450" BL 6" PC	16	8'	95F7691	36.21
0.700"	0.700"	0.175"	0.060"	0.055"	● EPS-400-.700-48-BLACK	5	20'	95F7688	91.67	● EPS-400 .700" BL 6" PC	12	6'	95F7692	36.21

(6389)

SFTW-203 SERIES (3:1) SHRINK RATIO, POLYOLEFIN HEAT-SHRINK TUBING



SFTW-203 series very flexible, thin wall, polyolefin heat-shrink tubing offers an excellent balance of electrical, physical and chemical properties for cable splices, wire marking and component packaging. 3:1 shrink ratio permits tubing to slide over connectors and in-line components, allowing for easy cable repair. Low-shrink temperature (100°C) minimizes damage to temperature-sensitive components. Meets MIL-DTL-23053/5 specifications. UL recognized E48398, LR 38227 CSA certified. Available in black only. **Sold in packages of 4' lengths.**



Mfg. Part No.	Size	Expanded ID (Minimum)	Recovered ID (Maximum)	Recovered Wall (Nominal)	Lengths per Pkg.	Total Footage	Stock No.	Price per Pkg.
● SFTW-203-1/8-48-BLACK	1/8"	0.118"	0.039"	0.022"	25	100'	97F7743	28.38
● SFTW-203-1/4-48-BLACK	1/4"	0.236"	0.079"	0.026"	12	48'	97F7744	23.12
● SFTW-203-3/8-48-BLACK	3/8"	0.354"	0.118"	0.030"	12	48'	97F7745	23.11
● SFTW-203-1/2-48-BLACK	1/2"	0.472"	0.157"	0.030"	12	48'	97F7746	26.10
● SFTW-203-3/4-48-BLACK	3/4"	0.709"	0.236"	0.030"	12	48'	97F7747	34.75
● SFTW-203-1-48-BLACK	1"	0.945"	0.315"	0.039"	5	20'	97F7748	21.65
● SFTW-203-1 1/2-48-BLACK	1-1/2"	1.535"	0.512"	0.045"	5	20'	97F7749	40.34

(6471)

SFTW-202-GYS SERIES (2:1) SHRINK RATIO, VERY-FLEXIBLE, FLAME-RETARDANT, STRIPED, POLYOLEFIN HEAT-SHRINK TUBING



SFTW-202-GYS series very-flexible, flame-retardant, thin wall polyolefin heat-shrink tubing is specially developed for electrical equipment ground lead applications and a wide variety of industrial and military applications. Extra-flexibility and low-shrink temperature of 100°C makes it ideal for shrink-fit jacketing and insulation of flexible wire bundles and temperature sensitive components. Dual-color striping of green and yellow serves as identification for ground wires. Manufactured using a special co-extrusion process ensuring the green and yellow color is fully integrated into the tubing wall. Offers excellent chemical and thermal resistance. 2:1 shrink ratio. Rated for continuous operation from -55° to 135°C. Meets performance requirements of MIL-DTL-23053/5 Class 1, and is UL recognized (file no.E48398) for flame retardance. **Sold in spool sizes listed below and in packages of 4' lengths.**



Mfg. Part No.	Size (in.)	Expand ID (in., min.)	Recovered ID (in., max.)	Recovered Wall Nom. Thick. (in.)	Stock No.	Spool Size (ft.)	Price per Spool 1-4	4' Lengths			
								Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4
● SFTW-202-GYS-1/8	0.125	0.125	0.059	0.02	16F1715	500	459.96	25	100	97H4144	105.81
● SFTW-202-GYS-3/16	0.188	0.187	0.099	0.022	16F1716	250	318.86	25	100	97H4145	146.67
● SFTW-202-GYS-1/4	0.25	0.250	0.118	0.026	16F1717	200	281.69	12	48	97H4143	77.71
● SFTW-202-GYS-3/8	0.375	0.375	0.177	0.03	16F1718	200	312.59	12	48	97H4147	86.26

➤ CONTINUED ➤

HEAT-SHRINK TUBING

SFTW-202-GYS SERIES (2:1) SHRINK RATIO, VERY-FLEXIBLE, FLAME-RETARDANT, STRIPED, POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

Mfg. Part No.	Size (in.)	Expand ID (in., min.)	Recovered ID (in., max.)	Recovered Wall Nom. Thick. (in.)	Stock No.	Spool Size (ft.)	Price per Spool 1-4	4' Lengths			
								Lengths Per Pkg.	Total Footage	Stock No.	Price per Pkg. 1-4
● SFTW-202-GYS-1/2	0.5	0.500	0.236	0.03	16F1719	200	351.16	12	48	97H4142	96.94
● SFTW-202-GYS-3/4	0.75	0.750	0.355	0.03	16F1720	200	469.26	12	48	97H4146	129.56

(78569)

FP-301SERIES (2:1) SHRINK RATIO, MULTIPURPOSE, FLEXIBLE, POLYOLEFIN HEAT-SHRINK TUBING



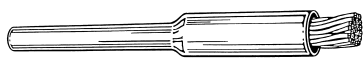
FP-301 series flexible heat-shrink tubing offers an excellent balance of physical, electrical and chemical properties for protecting a wide variety of electronic, electrical and mechanical applications, such as: cable splices, wire marking, harness covering, strain relief and component packaging. Rated for -55° to +135°C (+275°F) and 600V continuous operation. Self-extinguish flammability meets UL224 All-Tubing Flame Test requirements (except clear). Shrink ratio:

2:1. Specifications: UL39100, CSA LR 38227 and Military MIL-DTL-23053/5 Class 1 (opaque), Class 2 (clear). **NOTE:** stock numbers in table below are for black color tubing only. Colors: black and clear tubing available in all sizes listed in table below; white, red, yellow, blue and green color tubing is available in selected sizes and assortment packs; go online or call.

Tubing Size Dia. (in.)	Expanded ID (in., Min.)	Recovered ID (in., Max.)	Recovered Wall Nom. Thick. (in.)	Stock No. Black	Spool Size (ft.)	Price per Spool	4' Lengths				6" Lengths			
							Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg. 1-4	Stock No. Black	Lengths Per Pkg.	Total Footage	Price per Pkg.
0.047	0.046	0.023	0.016	95F7486	100	30.03	95F7403	25	100	20.90	95F7546	40	20	9.99
0.063	0.063	0.031	0.017	95F7488	100	22.75	95F7409	25	100	22.47	95F7548	38	19	11.04
0.094	0.093	0.046	0.02	95F7494	100	23.84	95F7416	25	100	25.92	95F7550	36	18	11.04
0.125	0.125	0.062	0.02	95F7500	100	25.49	95F7423	25	100	27.45	95F7552	34	17	11.04
0.188	0.187	0.093	0.02	95F7506	100	30.34	95F7430	25	100	33.31	95F7554	30	15	10.24
0.25	0.250	0.125	0.025	95F7512	100	37.10	95F7437	12	48	21.04	95F7556	26	13	10.24
0.375	0.375	0.187	0.025	95F7518	100	41.07	95F7444	12	48	23.46	95F7558	24	12	10.24
0.5	0.500	0.250	0.025	95F7524	100	45.93	95F7451	12	48	25.39	95F7560	20	10	10.24
0.75	0.750	0.375	0.03	95F7530	50	31.67	95F7458	12	48	34.07	95F7562	14	7	10.24
1	1.000	0.500	0.035	96H9782	50	57.00	95F7464	5	20	19.85	95F7564	10	5	9.92
1.5	1.500	0.750	0.04	95F7542	50	167.37	95F7470	5	20	36.96	95F7566	6	3	10.48
2	2.000	1.000	0.045	95F7544	50	182.07	95F7476	5	20	47.70	95F7568	4	2	9.78
3	3.000	1.500	0.05	...	...	...	95F7482	2	8	41.19	95F7571	3	1.5	10.77
4	4.000	2.000	0.055	...	...	...	95F7484	2	8	53.49	95F7572	2	1	11.04

(78503)

FIT®-221 MULTIPURPOSE IRRADIATED POLYOLEFIN SHRINK TUBING



FIT®-221 is an irradiated flexible, flame-retardant polyolefin tubing. Use for harnessing, wire bundling, strain reliefs, or any application where components must be insulated or packaged. Operating temp.: -55°C to +135°C, 2:1 shrinkage ratio @ 121°C, MIL-DTL-23053/5C, Class 1 and 2. Black tubing is UL recognized standard 224, CSA certified standard 198. Clear tubing is not UL recognized or CSA certified. Also available in white, red, yellow, blue, or green; go online or call. **Sold in packages of 4' and 6' lengths.** Also available in spooled lengths and other cut pieces; go online or call.

4' LENGTHS

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Total	Black		Clear	Price per Pkg.
					Stock No.	Stock No.		
FIT-221-3/64	0.046"	0.023"	0.016"	100'	88K1094	37F7019		24.09
FIT-221-1/16	0.063"	0.031"	0.017"	100'	89K7912	37F7016		24.53
FIT-221-3/32	0.093"	0.046"	0.020"	100'	37F7024	37F7014		27.82
FIT-221-1/8	0.125"	0.062"	0.020"	100'	85K9551	37F7011		29.46
FIT-221-3/16	0.187"	0.093"	0.020"	100'	85K9543	85K9554		35.70
FIT-221-1/4	0.250"	0.125"	0.025"	100'	89K7913	85K9550		45.12
FIT-221-3/8	0.375"	0.187"	0.025"	100'	89K7919	37F7017		50.16
FIT-221-1/2	0.500"	0.250"	0.025"	20'	85K9548	37F7015		11.28
FIT-221-3/4	0.750"	0.375"	0.030"	20'	37F7030	37F7018		15.33
FIT-221-1	1.000"	0.500"	0.035"	20'	88K1934	88K1093		21.47
FIT-221-1 1/2	1.500"	0.750"	0.040"	20'	37F7032	89K7911		46.98
FIT-221-2	2.000"	1.000"	0.050"	20'	03F3518	85K9553		66.36
FIT-221-3	3.000"	1.500"	0.050"	8'	37F7034	81F5725		59.24
FIT-221-4	4.000"	2.000"	0.055"	8'	37F7035	85K9557		80.27

6" LENGTHS

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	6" Lgth. Total	Black		Clear	Price per Pkg.
					Stock No.	Stock No.		
● FIT-221-3/64	0.046"	0.023"	0.016"	20'	03F3712	37F6980		15.55
● FIT-221-1/16	0.063"	0.031"	0.017"	18'	37F6990	37F6981		15.55
● FIT-221-3/32	0.093"	0.046"	0.020"	16'	37F6991	37F6982		15.55
● FIT-221-1/8	0.125"	0.062"	0.020"	14'	89K7914	89K7915		15.55
● FIT-221-3/16	0.187"	0.093"	0.020"	12'	86K1446	06M3839		15.55

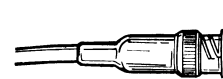
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FIT®-221 MULTIPURPOSE IRRADIATED POLYOLEFIN SHRINK TUBING (CONT.)

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	6" Lgth. Total	Black		Clear	Price per Pkg.
					Stock No.	Stock No.		
● FIT-221-1/4	0.250"	0.125"	0.025"	10'	06M3833	37F6985		15.55
● FIT-221-3/8	0.375"	0.187"	0.025"	8'	88K1089	89K7920		15.55
● FIT-221-1/2	0.500"	0.250"	0.025"	7'	37F6996	86K8692		15.55
● FIT-221-3/4	0.750"	0.375"	0.030"	6'	88K1088	86K8693		15.55
● FIT-221-1	1.000"	0.500"	0.035"	4'	03F3753	37F6963		15.55
● FIT-221-1 1/2	1.500"	0.750"	0.040"	2.5'	37F6999	86K8689		15.55
● FIT-221-2	2.000"	1.000"	0.050"	1.5'	37F7000	37F6965		15.55
● FIT-221-3	3.000"	1.500"	0.050"	1.0'	86K8690	85K9535		14.46

(6504)

FIT®-321 MEDIUM-WALL, ADHESIVE-LINED, IRRADIATED (3:1) POLYOLEFIN SHRINK TUBING

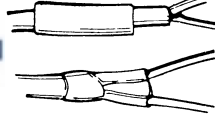
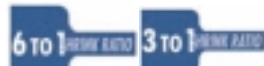


FIT®-321 offers 3:1 shrink ratio at 125°C. Meets MIL-DTL-23053/4C, Class 3. Melttable encapsulating adhesive inner wall. Water resistant. Excellent bonding to substrates. Flexible flame-retardant outer wall. Uses include: replacement of potting/molding compounds; strain relief for electrical connections; cable-to-connector transitions. **Sold in packages of 4' (1.219m) or 6' (1.829m) lengths.**

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Tot.	Stock No.	Price per Pkg.	6" Lgth. Tot.	Stock No.	Price per Pkg.
FIT-321-1/8	0.120"	0.040"	0.040"	100'	37F7050	259.65	14'	37F6943	61.52
FIT-321-1/4	0.240"	0.080"	0.040"	100'	37F7051	395.35	10'	89K7905	61.52
FIT-321-1/2	0.470"	0.160"	0.070"	20'	37F7052	104.07	7'		
FIT-321-1	0.940"	0.320"	0.100"	20'			4'	89K7904	61.52
FIT-321-1 1/2	1.570"	0.510"	0.100"	20'	37F7054	348.27	2.5'	89K7928	61.52

(6506)

HEAT-SHRINK TUBING

FIT®-300 SURFACE IRRADIATED/DUAL
EXTRUDED (3:1) POLYOLEFIN SHRINK
TUBING

FIT®-300 tough outer wall shrinks, inner wall melts and seals; operating temperature 110°C, 3:1 to 6:1 shrinkage ratio depending on size. Used for component encapsulation, end cap transitions, connector strain relief. Meets MIL-DTL-28053/4D, Class 1 and MIL-I-23053/4C, Class 1. UL recognized standard 224. **Sold in packages of 4" (1.219m) or 6" (152.4mm) lengths.**

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgth. Tot.	Stock No.	Price per Pkg.	6" Lgth. Tot.	Stock No.	Price per Pkg.
FIT-300-1/8	0.125"	0.023"	0.038"	100'	37F7063	194.44	7"	37F6956	20.72
FIT-300-3/16	0.187"	0.060"	0.043"	100'	85K9568	221.66	6"	37F6957	19.58
FIT-300-1/4	0.250"	0.080"	0.047"	100'	37F7065	295.29	5"	86K1454	19.58
FIT-300-3/10	0.300"	0.050"	0.100"	100'	37F7069	674.14	2"	37F6962	18.24
FIT-300-3/8	0.375"	0.135"	0.050"	100'	37F7066	328.81	4"	37F6959	20.72
FIT-300-1/2	0.500"	0.195"	0.055"	20'	88K1097	78.03	3"	37F6960	20.72
FIT-300-3/4	0.750"	0.313"	0.065"	20'	37F7068	120.14	2"	37F6961	19.58

(6505)

FIT®-650 CHEMICAL- AND TEMPERATURE-
RESISTANT IRRADIATED VITON® HEAT
SHRINKABLE TUBING

Applications include chemical production, military electronics/aircraft and hostile environments that require flexibility. FIT® 650 series is ideal for extreme temperatures -40° - 200°C and for chemical resistance. Shrinkage ratio: 2:1 at 175°C. Color: Black. **Sold in 100' spools.**

Mfg. Part No.	Min. Supplied I.D. (in.)	Max. Rec. I.D. (in.)	Nom. Rec. Wall (in.)	Stock No.	Price per Spool
● F6503/16 BK005	0.187	0.093	0.033	28B5932	1212.85
● F6503/4 BK005	0.750	0.375	0.042	28B5933	2554.25
● F6503/8 BK005	0.125	0.187	0.033	28B5934	1143.43

(8303)

FIT®-BOOTS — MOLDED IRRADIATED
POLYOLEFIN BOOTS FOR D-SUB CONNECTORS

Heat shrinkable D-sub FIT®-BOOTS are designed to provide a solution to the strain relief of D-sub connectors. Strain relief is achieved by a heat shrinkable adhesive-coated collar, which protects cable when tensioned, and provides added sealing protection. Boot snaps to the back of the connector. No small parts or tools required. FIT-D series comes with jackscrews. Operating temperature: -55°C to +135°C. Color: black. Flame retardant to UL94V2. FIT®-BOOTS are designed for use with Cannon/ITT and Cinch D-sub connectors, ordered separately; go online or call.

TOP-ENTRY FIT®-BOOTS

Mfg. Part No.	Min. Supplied I.D.	Max. Rec. I.D.	Nominal Length	Stock No.	Price Each
● FIT-D BOOT-9	0.420" (10.7)	0.15"	1.200"	03M5706	4.19
● FIT-D BOOT-15	0.420" (10.7)	0.15"	1.530"	06M3829	4.63
● FDBOOT25 BK076	0.420" (10.7)	0.20"	2.110"	06M3830	4.63

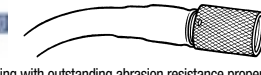
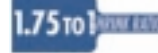
SIDE-ENTRY FIT®-BOOTS

Mfg. Part No.	Expanded I.D.	Fits Connector Type	Stock No.	Price Each
● FBOOT6 BK032	0.310" (7.87)	DE-9	48F5482	28.90
● FIT BOOT-7	0.400" (10.16)	DA-15	48F5483	31.91
● FIT BOOT-8	0.550" (13.97)	DB-25	48F5484	39.03
● FBOOT10 BK032	0.750" (19.05)	DD-50	48F5486	57.84

END-ENTRY FIT®-BOOTS

Mfg. Part No.	Expanded I.D.	Fits Connector Type	Stock No.	Price Each
● FBOOT11 BK032	0.310"	DE-9	48F5487	36.98
● FBOOT12 BK032	0.400"	DA-15	48F5488	38.27
● FBOOT13 BK032	0.550"	DB-25	48F5489	46.34
● FBOOT14 BK032	0.680"	DC-37	48F5490	55.58
● FBOOT15 BK032	0.750"	DD-50	48F5491	65.79

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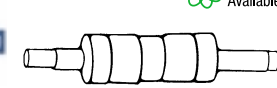
FIT®-600 HIGHLY-FLEXIBLE
IRRADIATED ELASTOMER
SHRINK TUBING

FIT®-600 is a highly flexible irradiated elastomer tubing with outstanding abrasion resistance properties. For outdoor use as a cable jacketing and harness material where maximum abrasion protection is required. Shrinkage ratio: approximately 1.75 to 1 at 135°C. 600V maximum per UL Standard 224, CSA Standard 198. Does not contain polychloroprene/neoprene, but meets physical properties of MIL-DTL-23053/1C Class 2, MIL-R-46846, Type 1, Class 1. Operating temperature: -70°C to +121°C. Color: black. **Sold in spools of 25'.**

Mfg. Part No.	Min. Supp. I.D.	Max. Rec. I.D.	Nom. Wall Thick.	Stock No.	Price per Spool
● FIT600 1/4 25BLK	0.250"	0.143"	0.035"	06M3846	120.72
● F6003/8 BK008	0.375"	0.214"	0.040"	96K2357	134.95
● F6001/2 BK008	0.500"	0.286"	0.048"	06M3845	160.25
● F6005/8 BK008	0.625"	0.357"	0.052"	85K9570	180.21
● F6003/4 BK008	0.750"	0.428"	0.057"	97F8072	187.18
● F6001IN BK008	1.000"	0.570"	0.070"	97F8073	244.48
● F6002IN BK008	2.000"	1.140"	0.110"	97F8074	562.69

(6405)

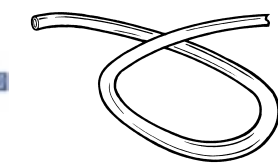
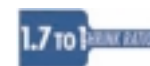
FIT®-621 HIGH RATIO SHRINK TUBING



FIT®-621 tubing shrinks approximately 6:1 at 120°C. Length is 6". Moisture protection guaranteed. Suitable for indoor/outdoor applications and direct burial; provides insulation for cables rated to 1000V. Color: black. **Sold in packages of 3.**

Mfg. Part No.	Supplied I.D.	Recovered I.D.	Stock No.	Price per Pkg.
● FIT621-5/8-6IN	0.60"	0.150"	88K2723	81.09
● FIT621-1-1/4	1.25"	0.220"	86K8696	91.00
● F6213 BK072	3.00"	0.750"	89K7929	139.33

(6470)

FIT®-FLEX HIGHLY-FLEXIBLE
IRRADIATED SILICONE RUBBER SHRINK
TUBING

FIT®-Flex provides strain relief, terminal insulation, cable jacketing, and wire harnessing protection in applications where flexibility and durability are mandatory. Durable in wide range of temperature extremes. Flame retardant. Passes UL VW-1 flame test. Resists extreme heat shock. Outstanding thermal insulator. Suitable sheathing for fiber-optic bundles. Other applications include: electrical appliances, medical equipment, robotic, and other moving equipment. Provides outstanding strain relief and thermal insulation. Resistant to most acids and alkalis. Conforms to peculiar shapes and sizes. UL Standard 224. Operating temperature: -75°C to +200°C. Comes in gray. **Sold in spools of 25'.** Also available in 100' spools; go online or call.

Mfg. Part No.	Minimum Supplied	Maximum Recovered	Nominal Wall Thick.	Stock No.	Price per Spool
● FFLEX2 SL008	0.112"	0.070"	0.040"	05F1638	228.82
● FFLEX3 SL008	0.190"	0.116"	0.040"	05F1639	318.11
● FFLEX5 SL008	0.305"	0.184"	0.040"	89K7901	401.77
● FFLEX6 SL008	0.391"	0.240"	0.060"	89K7902	453.53
● FFLEX12 SL008	0.825"	0.475"	0.080"	05F1643	939.63
● FFLEX20 SL008	1.217"	0.790"	0.080"	05F1644	1647.28

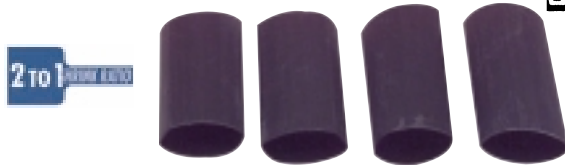
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HEAT-SHRINK TUBING

FIT®-221 IRRADIATED POLYOLEFIN (2:1)
SHRINK TUBING IN PRE-CUT 1" PIECES

Applications include strain reliefs and electrical insulation. Color: black. Sold in packages of 1000 one inch pieces.

Mfg. Part No.	Max. I.D.	Min I.D.	Stock No.	Price per Pkg.
● F221 3/16 BK147	3/16"	0.093"	48F7042	100.22
● F221 1/4 BK147	1/4"	0.125"	48F7043	125.05
● F2213/8 BK147	3/8"	0.187"	48F7044	129.68

(47074)

FIT®-321V, LOW SHRINK TEMPERATURE, NON-
ADHESIVE, FLAME-RESISTANT IRRADIATED (3:1)
POLYOLEFIN SHRINK TUBING

Use for wire harnesses, wire splices, insulation of terminals, and cable/connector protection/repair. FIT®-321V has a shrinkage ratio of approximately 3 to 1 at 90°C. Operating temperature: -45°C to 125°C. UL Standard 224, CSA Standard 198, passes UL VW-1 Flame Test.



Mfg. Part No.	Min. Supplied I.D.	Max. Expanded	Nom. Rec. Wall	Color	Spool Size	Stock No.	Price per Spool
● FIT-321V-3/32-500	0.093"	0.031"	0.023"	Black	500'	83F7727	178.59
● FIT-321V1/8-500 B	0.125"	0.042"	0.023"	Black	500'	83F7729	192.72
● FIT-321V-1/8-500	0.125"	0.042"	0.023"	White	500'	83F7730	192.72
● FIT-321V1/4-250 B	0.250"	0.083"	0.023"	Black	250'	83F7731	120.81
● FIT-321V1/4-250 W	0.250"	0.083"	0.023"	White	250'	83F7732	120.81
● FIT-321V3/8-200 B	0.375"	0.125"	0.023"	Black	200'	83F7733	107.92
● FIT-321V3/8-200 W	0.375"	0.125"	0.023"	White	200'	83F7734	107.92
● FIT-321V1/2-150 B	0.500"	0.166"	0.024"	Black	150'	83F7735	91.30
● FIT-321V1/2-150 W	0.500"	0.166"	0.024"	White	150'	83F7736	91.30
● FIT-321V3/4-250 B	0.750"	0.250"	0.024"	Black	250'	83F7737	202.85
● FIT-321V3/4-250 W	0.750"	0.250"	0.024"	White	250'	83F7738	202.85
● F321V1IN BK003	1.000"	0.330"	0.024"	Black	250'	85K9572	283.26
● FIT-321V-1-IN-250	1.000"	0.330"	0.024"	White	250'	85K9538	282.56

(34122)

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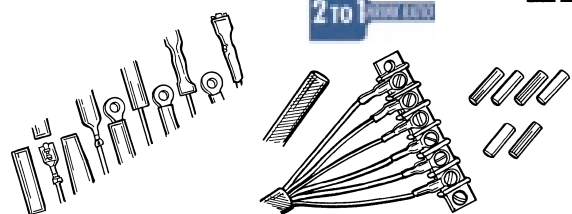


FIND



BUY

(34642)

FIT®-221V HIGHLY FLAME-
RETARDANT, IRRADIATED
POLYOLEFIN SHRINK TUBING

FIT®-221V is radiation cross-linked polyolefin heat shrinkable tubing. Passes VW-1 vertical wire flame test. For electrical insulation, harness bundling, and cable jacketing. Shrinkage ratio: 2:1 at 121°C. Operating temperature: -40°C to +125°C. Color: black. Meets MIL-DTL-23053/5C Class 1, 3. UL recognized standard 224 and CSA certified standard 198. Also available in white, red, yellow, blue, or green; go online or call. Sold in packages of 4' (1.219m) and 6' (152.4mm) lengths.

Mfg. Part No.	Min. Supplied I.D.	Max. Rec. I.D.	Nom. Rec. Wall	4' Lgths. Total	Stock No.	Price per Pkg.	6' Lgths. Total	Stock No.	Price per Pkg.
FIT-221V-3/64	0.046"	0.023"	0.016"	100'	37F7036	25.19	20'	37F7003	16.17
FIT-221V-1/16	0.063"	0.031"	0.017"	100'	37F7037	23.75	18'	89K7922	16.17
FIT-221V-3/32	0.093"	0.046"	0.020"	100'	29M6900	29.15	16'	37F7005	16.17
FIT-221V-1/8	0.125"	0.062"	0.020"	100'	37F7039	30.91	14'	06M3840	16.17
FIT-221V-3/16	0.187"	0.093"	0.020"	100'	37F7040	37.40	12'	89K7923	15.07
FIT-221V-1/4	0.250"	0.125"	0.025"	100'	37F7041	47.19	10'	37F7008	16.17
FIT-221V-3/8	0.375"	0.187"	0.025"	100'	37F7042	48.50	8'	37F7009	16.17
FIT-221V-1/2	0.500"	0.250"	0.025"	20'	37F7043	11.77	7'	37F7010	16.17
FIT-221V-3/4	0.750"	0.375"	0.030"	20'	37F7044	15.95	6'	06M3834	15.07
FIT-221V-1	1.000"	0.500"	0.035"	20'	37F7045	22.44	4'	28B5314	16.17
FIT-221V-1 1/2	1.500"	0.750"	0.040"	20'	17C1428	49.17	2.5'	37F6939	16.17
FIT-221V-2	2.000"	1.000"	0.045"	20'	37F7047	69.52	1.5'	37F6940	15.07

(6503)

FIT®-SLV SERIES SHRINKABLE SOLDERING SLEEVES

FIT®-SLV series soldering sleeve is a one-piece, shield ground termination system that features a strong, low-cost soldered connection which is completely insulated and encapsulated. Sleeve contain precisely engineered preform of fluxed solder and thermoplastic inserts at each end and when placed over a cable shield and heated, the solder melts and flows, connecting the ground lead and shield. Outer sleeve shrinks and the thermoplastic inserts melt, encapsulating the termination, so that the result is a perfectly soldered, strain-relieve and environmentally protected termination. Available in two different operating temperatures 105°C and 125°C, with the soldering melt temperatures being: 145°C and 180°C.



105°C SERIES

Mfg. Part No.	E Max. (in.)	Nom Rec. Wall (in.)	Pkg. of	Stock No.	Price per Pkg.
FSLV12 CL078	0.125	0.055	25	28B5212	51.45
FSLV12 CL076	0.125	0.055	100	57J2131	156.88
FSLV14 CL078	0.200	0.100	25	66F2456	58.07
FITSLV 16-25	0.300	0.160	25	66F2458	80.54
FSLV16 CL076	0.300	0.160	100	66F2457	231.22

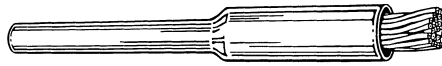
125°C SERIES

Mfg. Part No.	E Max. (in.)	Nom Rec. Wall (in.)	Pkg. of	Stock No.	Price per Pkg.
FSLV22 CL076	0.125	0.055	100	66F2459	140.58
FITSLV 22-25	0.125	0.055	25	66F2460	50.51
FITSLV 24-25	0.200	0.100	25	66F2462	55.76
FITSLV 24-100	0.200	0.100	100	66F2461	169.34
FSLV26 CL078	0.300	0.160	25	28B5222	77.07
FITSLV 26-100	0.300	0.160	100	66F2463	234.30

(83040)

HEAT-SHRINK TUBING

FPS SERIES (2:1) SHRINK RATIO GENERAL-PURPOSE FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING

RoHS
Compliant
Available

Resistant to fungus/chemicals. Split-resistant, mechanically-tough. Easily marked and resists cold flow. Used as electrical insulation over cable splices and termination, lightweight harness covering and wire bundling. Operating

temperature range: -55°C to +135°C. Minimum shrink temperature: 100°C. Color: black. Also available in clear; go online or call. Meets MIL-I-23053/5, Class 1, Class 2 and AMS 3636, AMS 3637 requirements. Clear is UL recognized (file E52331), CSA certified (file LR382278M). Sold in spools and in bags of 4' and 6' lengths.

Size	Recom. Useable ID Range	Recovered Nom. Wall Thickness	Spool Size	Stock No.	Price per Spool	4' Lengths				6' Lengths			
						Lengths Per Bag	Total Ft.	Stock No.	Price per Pkg.	Lengths Per Bag	Total Ft.	Stock No.	Price per Pkg.
3/64"	0.023 to 0.046"	0.016"	100'	84N583	36.04	25	100'	03F3522	36.68	40	20'	03F3712	8.60
1/16"	0.031 to 0.063"	0.017"	100'	84N584	38.88	25	100'	03F3524	37.29	36	18'	03F3714	8.05
3/32"	0.046 to 0.093"	0.020"	100'	84N585	40.12	25	100'	03F3527	39.56	32	16'	03F3717	7.62
1/8"	0.062 to 0.125"	0.020"	100'	84N586	47.61	25	100'	03F3530	41.80	28	14'	03F3722	6.76
3/16"	0.093 to 0.187"	0.020"	100'	84N587	49.76	25	100'	03F3533	45.33	24	12'	03F3727	6.67
1/4"	0.125 to 0.250"	0.025"	100'	84N588	58.96	25	100'	03F3537	53.15	20	10'	03F3733	6.63
3/8"	0.187 to 0.375"	0.025"	100'	84N589	61.54	25	100'	03F3540	57.54	16	8'	03F3739	6.37
1/2"	0.250 to 0.500"	0.025"	100'	84N590	71.94	5	20'	03F3543	18.15	14	7'	03F3745	6.45
3/4"	0.375 to 0.750"	0.030"	50'	84N591	44.85	5	20'	03F3546	22.32	12	6'	03F3750	6.93
1"	0.500 to 1.000"	0.035"	50'	84N592	62.23	5	20'	03F3549	29.07	8	4'	03F3753	6.97
1 1/2"	0.750 to 1.500"	0.040"	50'	84N593	121.69	5	20'	03F3520	40.68	5	2.5'	03F3443	7.53
2"	1.000 to 2.000"	0.045"	50'	84N594	161.86	5	20'	03F3518	70.43	3	1.5'	03F3446	6.42

(6356)

FPF SERIES (2:1) SHRINK RATIO FLAME-RETARDANT FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING



Offering same electrical, physical, and chemical qualities as the FPS series, the FPF series features superior flame resistance properties. For fire-resistant component coverings and flammable wire assemblies, as well as lightweight

wire harness covering, wire marking, and wire bundling. Meets MIL-I-23053/5, Class 3 requirement. UL recognized VW-1, and CSA certified at 600V @ 125°C. Color: black. UL recognized (file E52331), CSA certified (file LR382278M). Sold in bags of 4' and 6' lengths.

Size	I.D. Range	Recovered Wall Thickness	4' Lengths				6' Lengths			
			Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
3/64"	.023 to .046"	0.016"	25	100'	90N7263	42.27	40	20'	90N7275	8.78
1/16"	.031 to .063"	0.017"	25	100'	90N7264	42.81	36	18'	90N7276	9.86
3/32"	.046 to .093"	0.020"	25	100'	90N7265	44.30	32	16'	90N7277	8.41
1/8"	.062 to .125"	0.020"	25	100'	90N7266	46.15	28	14'	90N7278	7.96
3/16"	.093 to .187"	0.020"	25	100'	90N7267	50.13	24	12'	90N7279	7.73
1/4"	.125 to .250"	0.025"	25	100'	90N7268	58.67	20	10'	90N7280	7.64
3/8"	.187 to .375"	0.025"	25	100'	90N7269	74.54	16	8'	90N7281	7.06
1/2"	.250 to .500"	0.025"	5	20'	90N7270	16.19	14	7'	90N7282	7.15
3/4"	.375 to .750"	0.030"	5	20'	90N7271	24.46	12	6'	90N7283	7.64
1"	.500 to 1.00"	0.035"	5	20'	90N7272	39.78	8	4'	90N7284	7.73
1 1/2"	.750 to 1.50"	0.040"	5	20'	90N7273	71.42	5	2.5'	90N7285	8.17
2"	1.00 to 2.00"	0.045"	5	20'	90N7274	78.65	3	1.5'	90N7286	6.78

(6356)

LTP SERIES (2:1) SHRINK RATIO LOW-TEMPERATURE VERY FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING



Features extra flexibility and a lower minimum shrink temperature (100°C vs. 121°C) to minimize heat exposure and possible damage to sensitive substrate materials or components. Same electrical, physical, and chemical qualities as

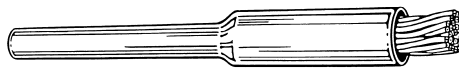
the FPS series. Meets MIL-R-46846, Type V and AMS 3587, AMS 3588 requirements. Color: black. UL recognized (file E52331), CSA certified (file LR382278M). Sold in bags of 4' and 6' lengths.

Size	I.D. Range	Recovered Wall Thickness	4' Lengths					6' Lengths				
			Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
3/64"	.023 to .046"	0.016"	● LTP-003-4025-BLK	25	100'	50N235	55.02	● LTP-003-6040-BLK	40	20'	50N247	13.94
1/16"	.031 to .063"	0.017"	...	...	...	...	...	● LTP-004-6036-BLK	36	18'	50N248	11.46
3/32"	.046 to .093"	0.020"	...	...	...	...	...	● LTP-006-6032-BLK	32	16'	50N249	12.15
1/8"	.062 to .125"	0.020"	● LTP-008-4025-BLK	25	100'	50N238	62.47	● LTP-008-6028-BLK	28	14'	50N250	10.72
3/16"	.093 to .187"	0.023"	● LTP-012-4025-BLK	25	100'	50N239	74.43	● LTP-012-6024-BLK	24	12'	50N251	10.54
1/4"	.125 to .250"	0.028"	● LTP-016-4025-BLK	25	100'	50N240	84.92	● LTP-016-6020-BLK	20	10'	50N252	10.35
3/8"	.187 to .375"	0.028"	● LTP-024-4025-BLK	25	100'	50N241	94.67	● LTP-024-6016-BLK	16	8'	50N253	9.16
1/2"	.250 to .500"	0.028"	● LTP-032-4005-BLK	5	20'	50N242	21.39	● LTP-032-6014-BLK	14	7'	50N254	10.03
3/4"	.375 to .750"	0.033"	● LTP-048-4005-BLK	5	20'	50N243	28.57	● LTP-048-6012-BLK	12	6'	50N255	9.62
1"	.500 to 1.00"	0.035"	● LTP-064-4005-BLK	5	20'	50N244	42.28	● LTP-064-6008-BLK	8	4'	50N256	10.26
1 1/2"	.750 to 1.50"	0.040"	● LTP-096-4005-BLK	5	20'	50N245	76.41	...	...	...	...	...
2"	1.00 to 2.00"	0.045"	● LTP-128-4005-BLK	5	20'	50N246	101.54	...	...	...	...	...

(6357)

HEAT-SHRINK TUBING

PHD SERIES (2:1) SHRINK RATIO ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



PHD series heat-shrink tubing is made of thin-walled, flame-retardant polyolefin. Features one-step, environmental protection for electronic, electrical, automotive, and marine wire splices, harness breakouts and strain reliefs. As tubing

shrinks to skin-tight fit, melted adhesive covers substrate and solidifies to form permanent waterproof barrier. Has -55°C to +110°C operating range, 121°C (250°F) minimum shrink temperature, and -1 to +5% longitudinal change. Meets MIL-I-23053/4, Class 2 requirement. Color: black. **Sold in bags of 4' and 6' lengths.**

Size	Inside Diameter		Recovered Nom. Wall Thickness		Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
	Minimum Supplied	Maximum Recovered	Total Wall	Melttable Wall		Lengths Per Bag	Total Ft.	Stock No.	Price per Pkg.		Lengths Per Bag	Total Ft.	Stock No.	Price per Pkg.
1/8"	0.125"	0.063"	0.027"	0.004"	● PHD-008-4025-BLK	25	100'	11C1375	135.91	● PHD-008-6028-BLK	28	14'	50N663	19.32
3/16"	0.187"	0.093"	0.027"	0.004"	● PHD-012-4025-BLK	25	100'	90N6884	151.69	● PHD-012-6024-BLK	24	12'	90N6891	19.75
1/4"	0.250"	0.125"	0.030"	0.005"	● PHD-016-4025-BLK	25	100'	90N6885	189.79	● PHD-016-6020-BLK	20	10'	90N6892	20.10
3/8"	0.375"	0.187"	0.031"	0.005"	● PHD-024-4025-BLK	25	100'	90N6886	203.70	● PHD-024-6016-BLK	16	8'	90N6893	17.88
1/2"	0.500"	0.250"	0.032"	0.006"	● PHD-032-4005-BLK	5	20'	90N6887	46.39	● PHD-032-6014-BLK	14	7'	90N6894	17.44
3/4"	0.750"	0.375"	0.037"	0.006"	● PHD-048-4005-BLK	5	20'	90N6888	61.00	● PHD-048-6012-BLK	12	6'	90N6895	17.44
1"	1.000"	0.500"	0.046"	0.008"	● PHD-064-4005-BLK	5	20'	90N6889	89.65	● PHD-064-6008-BLK	8	4'	90N6896	19.19
1 1/2"	1.500"	0.750"	0.049"	0.008"	● PHD-096-4005-BLK	5	20'	90N6890	156.88	● PHD-096-6005-BLK	5	2.5'	90N6897	21.02
2"	2.000"	1.000"	0.060"	0.015"	● PHD-128-4002-BLK	2	8'	50N664	107.87	● PHD-128-6002-BLK	2	1'	50N665	16.83

(6353)

SRM SERIES (2.5:1) SHRINK RATIO SEMI-RIGID MULTIPLE WALL POLYOLEFIN HEAT-SHRINK TUBING



Co-extruded and selectively cross-linked to provide melttable inner wall enabling contact between underlying surfaces. For installations that may require rework, retrofit or repair in the field. SRM series offers the advantage of easy removability. Ideal for one-strip approach to jacketing, encapsulating, and environmental sealing of splices, termina-

tions, and components. Capable of 2.5:1 shrink ratio, +1 to -10% longitudinal change, -55°C to +110°C operating temperature, and has +135°C (275°F) minimum shrink temperature. Meets MIL-I-23053/4, Class 1 and AMS 3634 requirements. Color: black. UL recognized (file E165738). **Sold in bags of 4' and 6' lengths.**

Size	Minimum Expanded Inside Dia.	Maximum Recover Inside Dia.	Rec. Nom. Wall Thick	Melttable Nom. Wall	Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
						Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/8"	0.125"	0.023"	0.038"	0.020"	● SRM-008-4025-BLK	25	100	37N332	162.56	● SRM-008-6014-BLK	14	7	37N1818	13.10
3/16"	0.187"	0.060"	0.043"	0.025"	● SRM-012-4025-BLK	25	100	37N333	191.67	● SRM-012-6012-BLK	12	6	37N1819	13.36
1/4"	0.250"	0.080"	0.047"	0.027"	● SRM-016-4025-BLK	25	100	37N334	241.78	● SRM-016-6010-BLK	10	5	37N1820	13.66
3/8"	0.375"	0.135"	0.050"	0.030"	● SRM-024-4025-BLK	25	100	37N336	249.00	● SRM-024-6008-BLK	8	4	37N1822	10.84
1/2"	0.500"	0.195"	0.055"	0.035"	● SRM-032-4005-BLK	5	20	37N337	59.21	● SRM-032-6006-BLK	6	3	37N1823	12.10
3/4"	0.750"	0.313"	0.065"	0.040"	● SRM-048-4005-BLK	5	20	37N338	102.40	...	...	...	...	...
1"	1.00"	0.400"	0.075"	0.040"	● SRM-064-4005-BLK	5	20	37N339	132.11	...	...	...	...	...

(6352)

FPHS SERIES (3:1) SHRINK RATIO VERY FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING



FPHS series heat-shrink tubing is made of very flexible, thin wall polyolefin, which is mechanically tough and chemical resistant. It is also easily surface printed. Ideal for insulation of flexible wire bundles and for end-terminations where the

tubing must slide over a connector. Offers a low shrink temperature of 100°C which can prevent damage to temperature-sensitive substrates. Meets MIL-I-23053/5 Class 1 requirements. UL recognized (file E52331). Color: black. **Sold in bags of 4' and 6' lengths.**

Size	Minimum Expanded Inside Dia.	Maximum Recovered Inside Dia.	Recovered Nom. Wall Thickness	Mfg. Part No.	4' Lengths				Mfg. Part No.	6' Lengths			
					Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.		Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/8"	0.118"	0.039"	0.022"	● FPHS-008-4025-BLK	25	100'	66N9263	65.64	FPHS-008-6024	24	12'	84N602	10.42
1/4"	0.236"	0.079"	0.026"	● FPHS-016-4025-BLK	25	100'	66N9264	99.70	FPHS-016-6020	20	10'	84N603	12.35
3/8"	0.354"	0.118"	0.030"	● FPHS-024-4025-BLK	25	100'	66N9265	111.40	FPHS-024-6016	16	8'	84N604	11.20
1/2"	0.472"	0.157"	0.030"	● FPHS-032-4005-BLK	5	20'	66N9266	25.11	FPHS-032-6014	14	7'	84N605	11.07
3/4"	0.709"	0.236"	0.030"	● FPHS-048-4005-BLK	5	20'	66N9267	33.47	FPHS-048-6012	12	6'	84N606	12.26
1"	0.945"	0.315"	0.039"	● FPHS-064-4005-BLK	5	20'	66N9268	50.08	FPHS-064-6008	8	4'	84N607	12.12
1 1/2"	1.535"	0.512"	0.045"	● FPHS-096-4005-BLK	5	20'	66N9269	93.32	FPHS-096-6005	5	2.5'	84N608	13.59

(6319)

MFG. PART NO. PHS POLYOLEFIN (3:1) HIGH SHRINK RATIO ADHESIVE-LINED HEAT-SHRINK TUBING



Mfg. part no. PHS is a thin wall tubing offering the advantages of integral, multiple-wall construction. Flame-retardant, flexible polyolefin, lined with an internal layer of thermoplastic adhesive. Heat-shrinkable outer wall is radiation cross-linked, while the adhesive maintains high flow and excellent adhesion. Protects electronic components, wire splices, wire bundles, and harness breakouts. Rapidly shrinks to a skin-tight fit, forcing the melted adhesive to flow and cover the substrate. Upon cooling the adhesive solidifies, forming a permanent, non-drying, flexible and waterproof

barrier. Minimum shrink temperature is 121°C (250°F). Specifications: Physical: Tensile strength of 2100 PSI, ultimate elongation of 5%, longitudinal change of -5%, secant modulus of 14,000 PSI. Electrical: dielectric strength of 700 V/mil, volume resistivity of 10¹² ohm-cm. Chemical: corrosion-resistant, non-nutrient fungus-resistant, 0.3% water absorption. Excellent fluid resistance properties. Operating temperature range: -55° to +110°C with max. temp. (short period) of 250°C. Meets requirements of MIL-I-23053/4, Class 3 specifications. Color: black. UL recognized (file E165738). **Sold in bags of 4' and 6' lengths.**

Size	Inside Diameter		Recovered Nom. Wall Thickness		4' Lengths				6' Lengths			
	Minimum Supplied	Maximum Recovered	Total Wall	Melttable Wall	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
1/8"	0.125"	0.040"	0.040"	0.020"	25	100'	66N9253	216.53	28	14'	66N9252	26.16
3/16"	0.187"	0.062"	0.040"	0.020"	25	100'	87N1370	216.53	24	12'	87N1377	26.16
1/4"	0.250"	0.080"	0.040"	0.020"	25	100'	87N1371	269.88	20	10'	87N1378	27.20
3/8"	0.375"	0.120"	0.055"	0.025"	25	100'	87N1372	311.92	16	8'	87N1379	25.21
1/2"	0.500"	0.160"	0.070"	0.030"	5	20'	87N1373	73.07	14	7'	87N1380	24.94
3/4"	0.750"	0.250"	0.085"	0.035"	5	20'	87N1374	98.77	12	6'	87N1381	29.32
1"	1.000"	0.320"	0.100"	0.040"	5	20'	87N1375	145.99	8	4'	87N1382	29.18
1 1/2"	1.500"	0.510"	0.100"	0.040"	5	20'	87N1376	283.23	5	2.5'	87N1383	36.04

(6354)

HEAT-SHRINK TUBING

MFG. PART NO. SHS SEMI-RIGID (4:1) HIGH SHRINK RATIO ADHESIVE-LINED HEAT-SHRINK TUBING



Medium-wall, semi-rigid, flame-retardant, flexible polyolefin with an internal layer of thermoplastic adhesive. High-flow adhesive forms a permanent, non-drying, flexible and waterproof barrier. Min. shrink temp.: 121°C. Op. temp. range: -55°C (-67°F) to 110°C (230°F). Color: black. UL recognized. **Sold in boxes of 4' and 6' lengths.**

Size	Expanded Inside Dia. (Min.)	Recovered Inside Dia. (Max.)	Recovered Melt Wall (Nom.)	Recovered Nom. Wall Thickness	4' Lengths					6' Lengths				
					Mfg. Part No.	Lengths Per Box	Total Ft.	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Box	Total Ft.	Stock No.	Price per Pkg.
0.300"	0.300"	0.060"	0.033"	0.028"	...	...	...	...	...	● SHS-300-6022-BLK	22	11'	66N9254	37.77
0.350"	0.350"	0.080"	0.038"	0.033"	...	...	...	...	...	● SHS-350-6020-BLK	20	10'	66N9255	41.55
0.450"	0.400"	0.105"	0.043"	0.053"	● SHS-450-4012-BLK	12	48'	66N9260	331.43	● SHS-450-6016-BLK	16	8'	66N9256	45.28
0.700"	0.700"	0.175"	0.060"	0.055"	● SHS-700-4005-BLK	5	20'	66N9261	210.21	● SHS-700-6012-BLK	12	6'	66N9257	49.05

(6320)

KYS SERIES (2:1) SHRINK RATIO KYNAR® THIN-WALL HEAT-SHRINK TUBING

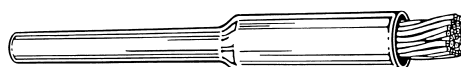


Tubing made from semi-rigid, flame-retardant polyvinylidene fluoride. Meets MIL-I-23053/8, AMS3632 requirements. Thin wall and continuous operating temp. of +175°C. Operating temp. range: -55°C to +175°C. Min. shrink temp.: 175°C (347°F). For VW-1 dielectric strength 900 V/mil. Color: clear. UL recognized. **Sold in boxes of 4' and 6' lengths.**

Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	4' Lengths					6' Lengths				
			Mfg. Part No.	Lengths Per Box	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Box	Total Footage	Stock No.	Price per Pkg.
3/64"	0.023-0.046"	0.010" (0.254)	● KYS-003-4025-CLR	25	100	37N1555	95.37	...	...	...	...	...
1/16"	0.031-0.063"	0.010" (0.254)	● KYS-004-4025-CLR	25	100	37N1556	103.58	● KYS-004-6028-CLR	28	14	37N166	14.44
3/32"	0.046-0.093"	0.010" (0.254)	● KYS-006-4025-CLR	25	100	37N1557	115.13	● KYS-006-6024-CLR	24	12	37N167	13.80
1/8"	0.062-0.125"	0.010" (0.254)	● KYS-008-4025-CLR	25	100	37N1558	117.94	● KYS-008-6020-CLR	20	10	37N168	12.60
3/16"	0.093-0.187"	0.010" (0.254)	● KYS-012-4025-CLR	25	100	37N1559	182.29	● KYS-012-6016-CLR	16	8	37N169	15.57
1/4"	0.125-0.250"	0.012" (0.305)	● KYS-016-4025-CLR	25	100	37N1560	222.90	● KYS-016-6012-CLR	12	6	37N170	14.25
3/8"	0.187-0.375"	0.012" (0.305)	● KYS-024-4025-CLR	25	100	37N1561	270.72	● KYS-024-6008-CLR	8	4	37N171	11.29
1/2"	0.250-0.500"	0.012" (0.305)	● KYS-032-4005-CLR	5	20	37N1562	80.07	● KYS-032-6004-CLR	4	2	37N172	8.14
3/4"	0.375-0.750"	0.017" (0.431)	● KYS-048-4005-CLR	5	20	37N1563	143.34	● KYS-048-6002-CLR	2	1	37N173	7.54

(6303)

VOLTREX® BRAND SST SERIES (1.67:1) SHRINK RATIO FEP TEFLON® HEAT-SHRINK TUBING



VOLTREX® brand

Chemical and thermal characteristics of FEP (fluorinated ethylene propylene) Teflon®, an outstanding electrical insulator that offers resistance to many chemicals except molten alkali metals and fluorine. Has the ability to partially shrink at

150°F with complete recovery at 350°F. Use on soldering joints, parts, components, fittings of plastic, metal, and wood. Meets MIL-I-23053/11 specifications. Operating temperature range: -75°C to +200°C. Color: clear. **Sold in bags of 2' and 6' lengths.**

Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	2' Lengths					6' Lengths				
			Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
3/32"	0.056-0.093"	0.008"	● SST-006-2050-CLR	50	100	37N295	192.25	● SST-006-6025-CLR	25	12.5	92N5995	35.70
1/8"	0.075-0.125"	0.010"	● SST-008-2050-CLR	50	100	37N296	159.18	● SST-008-6025-CLR	25	12.5	92N5996	29.97
3/16"	0.115-0.188"	0.010"	● SST-012-2025-CLR	25	50	37N297	94.86	● SST-012-6025-CLR	25	12.5	92N5997	32.52
1/4"	0.150-0.250"	0.010"	● SST-016-2025-CLR	25	50	37N298	94.86	● SST-016-6025-CLR	25	12.5	92N5998	35.07
3/8"	0.225-0.375"	0.012"	● SST-024-2010-CLR	10	20	37N299	49.78	● SST-024-6010-CLR	10	5.0	92N5999	18.36
1/2"	0.300-0.500"	0.015"	● SST-032-2010-CLR	10	20	37N300	71.91	● SST-032-6010-CLR	10	5.0	92N6000	24.99
3/4"	0.450-0.750"	0.020"	● SST-048-2005-CLR	5	10	37N301	64.26	● SST-048-6010-CLR	10	5.0	92N6001	45.65
1"	0.600-1.000"	0.025"	● SST-064-2005-CLR	5	10	37N302	108.38	● SST-064-6010-CLR	10	5.0	92N6002	73.70
1 1/2"	0.900-1.500"	0.030"	● SST-096-2001-CLR	1	2	37N303	29.28	● SST-096-6005-CLR	5	2.5	92N6003	49.73
2"	1.200-2.000"	0.030"	● SST-128-2001-CLR	1	2	37N304	31.52	● SST-128-6005-CLR	5	2.5	92N6004	53.55

(6300)

VOLTREX® BRAND TTS SERIES (2:1) SHRINK RATIO THIN WALL PTFE TEFLON® HEAT-SHRINK TUBING



PTFE (Polytetrafluoroethylene) Teflon®, an outstanding electrical insulator that offers resistance to many chemicals except molten alkali metals and fluorine. Shrink temperature: 327°C (625°F). Operating temperature range: -75°C to +250°C. Meets MIL-I-23053/12, Class 3 specifications. Color: natural. **Sold in bags of 2' and 6' lengths.**

AWG	Recommended Useable ID Range	Recovered Nom. Wall Thickness	2' Lengths					6' Lengths				
			Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
16	0.061-0.093"	0.012"	● TTS-S16-2050-NAT	50	100	37N1632	197.63	● TTS-S16-6016-NAT	16	8	81N2701	20.62
14	0.072-0.120"	0.012"	● TTS-S14-2050-NAT	50	100	37N1633	197.96	● TTS-S14-6014-NAT	14	7	81N2702	18.83
12	0.089-0.150"	0.012"	● TTS-S12-2025-NAT	25	50	37N1634	107.50	● TTS-S12-6014-NAT	14	7	81N2703	20.89
10	0.112-0.191"	0.012"	● TTS-S10-2025-NAT	25	50	37N1635	124.43	● TTS-S10-6012-NAT	12	6	81N2704	19.43
8	0.141-0.240"	0.015"	● TTS-S08-2025-NAT	25	50	37N1636	103.74	● TTS-S08-6010-NAT	10	5	81N2705	27.76
6	0.178-0.302"	0.015"	● TTS-S06-2010-NAT	10	20	37N1637	97.06	● TTS-S06-6008-NAT	8	4	81N2706	26.78
4	0.224-0.370"	0.015"	● TTS-S04-2010-NAT	10	20	37N1638	113.61	● TTS-S04-6006-NAT	6	3	81N2707	23.92
2	0.278-0.430"	0.015"	● TTS-S02-2010-NAT	10	20	37N1639	136.34	● TTS-S02-6004-NAT	4	2	81N2708	18.34
0	0.347-0.470"	0.015"	● TTS-S00-2010-NAT	10	20	37N1640	164.47	● TTS-S00-6003-NAT	3	1.5	81N2709	17.37

(6301)

HEAT-SHRINK TUBING

VOLTREX® BRAND TFM SERIES (2:1) SHRINK RATIO DUAL-WALL TEFLON® HEAT-SHRINK TUBING



Offers outstanding electrical, chemical, and mechanical properties of Teflon®. Outer wall PTFE, inner wall FEP. Operating temperature range: -75°C to +230°C. Shrink temperature: 327°C (627°F). Service temperature: 450°F. Color: natural. **Sold in bags of 2' and 6' lengths.**

Size	Recommended Useable ID Range	Recovered Nom. Wall Thickness	2' Lengths					6' Lengths				
			Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
3/32"	0.000-0.036"	0.023"	...	...	...	...	...	● TFM-002-6025-NAT	25	12.5	92N6005	42.45
1/16"	0.000-0.060"	0.028"	...	...	...	...	...	● TFM-004-6025-NAT	25	12.5	92N6006	61.56
1/8"	0.000-0.130"	0.032"	...	...	...	...	...	● TFM-008-6025-NAT	25	12.5	92N6007	94.10
3/16"	0.062-0.190"	0.035"	● TFM-012-2025-NAT	25	50	37N318	331.11	● TFM-012-6025-NAT	25	12.5	92N6008	123.82
1/4"	0.125-0.250"	0.035"	● TFM-016-2025-NAT	25	50	37N319	386.30	● TFM-016-6010-NAT	10	5.0	92N6009	68.27
3/8"	0.312-0.450"	0.055"	● TFM-024-2010-NAT	10	20	37N320	411.59	● TFM-024-6010-NAT	10	5.0	92N6010	143.86

(6302)

3

VOLTREX® BRAND HIGH (4:1) SHRINK RATIO PTFE TEFLON® SEMI-RIGID HEAT-SHRINK TUBING



PTFE (Polytetrafluoroethylene) Teflon® tubing is the most difficult of the four tubing materials to shrink because of the extreme shrink temperature. The most reliable way to shrink PTFE is in a controlled oven temperature. Extreme care must be exercised in heating PTFE tubing during the shrinking process. PTFE shrink tubing will become completely clear

when it reaches the gel state. PTFE will completely recover to its specified size provided a slow cooling process is allowed. Shrink temperature: 625°F/327°C. Continuous use temperature range: -100°F to +500°F (-75°C to +250°C). Overheating will damage the tubing, so do not heat above 700°F/327°C. Meets MIL-I-23053/12 Class 5, ASTM D2092 Type I, AMS3584. Color: natural. **Sold in bags of 4' and 6' lengths.**

Size	Minimum Expanded Inside Dia.	Maximum Recovered Inside Dia.	Recovered Nom. Wall Thickness	4' Lengths					6' Lengths				
				Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
5/64"	0.078"	0.025"	0.009"	● 8416-0887	25	100'	16N2363	187.02	● 3494	25	12.5	92N6012	35.22
1/8"	0.125"	0.037"	0.010"	● 8416-0888	25	100'	16N2364	130.68	● 3495	25	12.5	92N6013	24.26
3/16"	0.188"	0.050"	0.012"	● 8416-0889	25	100'	16N2365	133.81	● 3496	25	12.5	92N6014	25.04
1/4"	0.250"	0.063"	0.012"	● 8416-0890	25	100'	16N2366	168.24	● 3497	25	12.5	92N6015	31.30
5/16"	0.313"	0.078"	0.012"	● 8416-0891	25	100'	16N2367	183.89	● 3498	25	12.5	92N6016	34.43
3/8"	0.375"	0.096"	0.012"	● 8416-0892	25	100'	16N2368	208.93	● 3499	25	12.5	92N6017	39.13
7/16"	0.438"	0.112"	0.015"	● 8416-0893	25	100'	16N2369	215.19	● 3500	25	12.5	92N6018	40.69
1/2"	0.500"	0.144"	0.015"	● 8416-0894	25	100'	16N2370	309.09	● 3501	10	5.0	92N6019	23.17
5/8"	0.625"	0.178"	0.015"	● 8416-0895	8	32'	16N2371	128.21	● 3502	10	5.0	92N6020	30.05
3/4"	0.750"	0.224"	0.015"	● 8416-0896	8	32'	16N2372	158.26	● 3503	10	5.0	92N6021	37.25
7/8"	0.875"	0.244"	0.015"	● 8416-0897	8	32'	16N2373	191.31	● 3504	10	5.0	92N6022	45.39
1"	1.000"	0.278"	0.015"	● 8416-0898	8	32'	16N2374	201.33	● 3505	5	2.5	92N6023	23.48
1 1/4"	1.250"	0.347"	0.015"	● 8416-0899	5	20'	16N2375	188.43	● 3506	5	2.5	92N6024	35.22

(6331)

LAYFLAT PVC HEAT-SHRINK TUBING



1693

Layflat PVC heat-shrink tubing is a thin-wall material offering good electrical and mechanical characteristics. When exposed to heat in excess of 275°F for a few seconds, the specially-formulated polyvinyl chloride material shrinks rapidly and uniformly to conform to the shape of the object being covered. Applications include insulating and jacketing of batteries, capacitors and similar objects; protective covering of precision machine parts and cutting tools; wire and cable identification; industrial equipment; toys, sporting goods, electronics, medical and consumer products. Operating temperature: +85°C to -20°C. Shrink ratio: 2:1. A heat gun can be used for shrinking in most applications; order separately on page 1081. Wall thickness: 0.004". Meets flammability requirements of UL VW-1 and MIL-I-631 specifications. Color: white. UL listed. **Sold in 100' spools.**

Mfg. Part No.	Size	Flat Width	I.D.	O.D.	Stock No.	Price per Spool
● 1693	7/16"	0.728"	0.430"	0.438"	92N3687	31.37
● 1694	9/16"	0.925"	0.558"	0.563"	92N3688	31.37
● 1695	3/4"	1.220"	0.742"	0.750"	92N3689	31.37
● 1696	7/8"	1.417"	0.867"	0.875"	92N3690	31.37
● 1697	1"	1.654"	0.992"	1.000"	92N3691	33.31
● 1698	1 1/8"	1.850"	1.117"	1.125"	92N3692	33.31
● 1699	1 1/4"	2.047"	1.242"	1.250"	92N3693	40.48
● 1700	1 3/8"	2.244"	1.367"	1.375"	92N3694	41.73
● 1701	1 1/2"	2.441"	1.492"	1.500"	92N3695	47.25
● 1702	1 3/4"	2.835"	1.742"	1.750"	92N3696	50.26

(13544)

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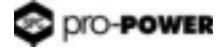
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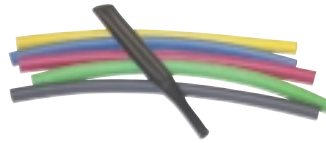
HEAT-SHRINK TUBING

POLYOLEFIN HEAT SHRINK TUBING

Just Added



- Flame retardant (VW-1)
- Minimum shrink temperature of 70°C
- Meets military MIL-DTL-23053/5 class 1 specifications



2:1 SHRINK RATIO, MATERIAL: POLYOLEFIN

UL Recognized (UL224, 125°C 600V VW-1), CSA Approved (CSA22.2, No. 198.1 125°C 600V OFT), Operating temperature: -55°C – 125°C

Nom. Size (in.)	Color	Mfg. Part No.	Spools			Mfg. Part No.	4' Lengths			Mfg. Part No.	6" Lengths		
			Spool Size (ft.)	Stock No.	Price per Spool		Pieces per Pkg.	Stock No.	Price per Pkg.		Pieces per Pkg.	Stock No.	Price per Pkg.
3/64	Black	● PP1638	100	46M2360	9.33	● PP1650	25	46M2372	9.56	● PP1662	40	46M2384	1.64
1/16	Black	● PP1639	100	46M2361	9.06	● PP1651	25	46M2373	9.10	● PP1663	36	46M2385	1.64
3/32	Black	● PP1640	100	46M2362	11.33	● PP1652	25	46M2374	10.88	● PP1664	32	46M2386	1.82
1/8	Black	● PP1641	100	46M2363	12.56	● PP1653	25	46M2375	11.88	● PP1665	28	46M2387	1.78
3/16	Black	● PP1642	100	46M2364	16.48	● PP1654	25	46M2376	15.93	● PP1666	24	46M2388	1.96
1/4	Black	● PP1643	100	46M2365	20.02	● PP1655	25	46M2377	17.75	● PP1667	20	46M2389	2.01
3/8	Black	● PP1644	100	46M2366	21.62	● PP1656	25	46M2378	21.66	● PP1668	16	46M2390	1.73
1/2	Black	● PP1645	100	46M2367	33.72	● PP1657	5	46M2379	6.51	● PP1669	14	46M2391	2.37
3/4	Black	● PP1646	50	46M2368	44.00	● PP1658	5	46M2380	12.15	● PP1670	12	46M2392	4.83
1	Black	● PP1647	50	46M2369	57.15	● PP1659	5	46M2381	17.70	● PP1671	8	46M2393	4.14
1-1/2	Black	● PP1648	50	46M2370	117.53	● PP1660	5	46M2382	36.40	● PP1672	5	46M2394	5.56
2	Black	● PP1649	50	46M2371	141.46	● PP1661	5	46M2383	51.06	● PP1673	3	46M2395	4.24
3/64	White	● PP1494	100	46M2216	9.33	● PP1506	25	46M2228	9.56	● PP1518	40	46M2240	1.64
1/16	White	● PP1495	100	46M2217	9.06	● PP1507	25	46M2229	9.10	● PP1519	36	46M2241	1.64
3/32	White	● PP1496	100	46M2218	11.33	● PP1508	25	46M2230	10.88	● PP1520	32	46M2242	1.82
1/8	White	● PP1497	100	46M2219	12.56	● PP1509	25	46M2231	11.88	● PP1521	28	46M2243	1.78
3/16	White	● PP1498	100	46M2220	16.48	● PP1510	25	46M2232	15.93	● PP1522	24	46M2244	1.96
1/4	White	● PP1499	100	46M2221	20.02	● PP1511	25	46M2233	17.75	● PP1523	20	46M2245	2.01
3/8	White	● PP1500	100	46M2222	21.62	● PP1512	25	46M2234	21.66	● PP1524	16	46M2246	1.73
1/2	White	● PP1501	100	46M2223	33.72	● PP1513	5	46M2235	6.51	● PP1525	14	46M2247	2.37
3/4	White	● PP1502	50	46M2224	44.00	● PP1514	5	46M2236	12.15	● PP1526	12	46M2248	4.83
1	White	● PP1503	50	46M2225	57.15	● PP1515	5	46M2237	17.70	● PP1527	8	46M2249	4.14
1-1/2	White	● PP1504	50	46M2226	117.53	● PP1516	5	46M2238	36.40	● PP1528	5	46M2250	5.56
2	White	● PP1505	50	46M2227	141.46	● PP1517	5	46M2239	51.06	● PP1529	3	46M2251	4.24
3/64	Clear	● PP1674	100	46M2396	9.33	● PP1686	25	46M2408	9.56	● PP1698	40	46M2420	1.64
1/16	Clear	● PP1675	100	46M2397	9.06	● PP1687	25	46M2409	9.10	● PP1699	36	46M2421	1.64
3/32	Clear	● PP1676	100	46M2398	11.33	● PP1688	25	46M2410	10.88	● PP1700	32	46M2422	1.82
1/8	Clear	● PP1677	100	46M2399	12.56	● PP1689	25	46M2411	11.88	● PP1701	28	46M2423	1.78
3/16	Clear	● PP1678	100	46M2400	16.48	● PP1690	25	46M2412	15.93	● PP1702	24	46M2424	1.96
1/4	Clear	● PP1679	100	46M2401	20.02	● PP1691	25	46M2413	17.75	● PP1703	20	46M2425	2.01
3/8	Clear	● PP1680	100	46M2402	21.62	● PP1692	25	46M2414	21.66	● PP1704	16	46M2426	1.73
1/2	Clear	● PP1681	100	46M2403	33.72	● PP1693	5	46M2415	6.51	● PP1705	14	46M2427	2.37
3/4	Clear	● PP1682	50	46M2404	44.00	● PP1694	5	46M2416	12.15	● PP1706	12	46M2428	4.83
1	Clear	● PP1683	50	46M2405	57.15	● PP1695	5	46M2417	17.70	● PP1707	8	46M2429	4.14
1-1/2	Clear	● PP1684	50	46M2406	117.53	● PP1696	5	46M2418	36.40	● PP1708	5	46M2430	5.56
2	Clear	● PP1685	50	46M2407	141.46	● PP1697	5	46M2419	51.06	● PP1709	3	46M2431	4.24
3/64	Gray	● PP1602	100	46M2324	9.33	● PP1614	25	46M2336	9.56	● PP1626	40	46M2348	1.64
1/16	Gray	● PP1603	100	46M2325	9.06	● PP1615	25	46M2337	9.10	● PP1627	36	46M2349	1.64
3/32	Gray	● PP1604	100	46M2326	11.33	● PP1616	25	46M2338	10.88	● PP1628	32	46M2350	1.82
1/8	Gray	● PP1605	100	46M2327	12.56	● PP1617	25	46M2339	11.88	● PP1629	28	46M2351	1.78
3/16	Gray	● PP1606	100	46M2328	16.48	● PP1618	25	46M2340	15.93	● PP1630	24	46M2352	1.96
1/4	Gray	● PP1607	100	46M2329	20.02	● PP1619	25	46M2341	17.75	● PP1631	20	46M2353	2.01
3/8	Gray	● PP1608	100	46M2330	21.62	● PP1620	25	46M2342	21.66	● PP1632	16	46M2354	1.73
1/2	Gray	● PP1609	100	46M2331	33.72	● PP1621	5	46M2343	6.51	● PP1633	14	46M2355	2.37
3/4	Gray	● PP1610	50	46M2332	44.00	● PP1622	5	46M2344	12.15	● PP1634	12	46M2356	4.83
1	Gray	● PP1611	50	46M2333	57.15	● PP1623	5	46M2345	17.70	● PP1635	8	46M2357	4.14
1-1/2	Gray	● PP1612	50	46M2334	117.53	● PP1624	5	46M2346	36.40	● PP1636	5	46M2358	5.56
2	Gray	● PP1613	50	46M2335	141.46	● PP1625	5	46M2347	51.06	● PP1637	3	46M2359	4.24
3/64	Brown	● PP1566	100	46M2288	9.33	● PP1578	25	46M2300	9.56	● PP1590	40	46M2312	1.64
1/16	Brown	● PP1567	100	46M2289	9.06	● PP1579	25	46M2301	9.10	● PP1591	36	46M2313	1.64
3/32	Brown	● PP1568	100	46M2290	11.33	● PP1580	25	46M2302	10.88	● PP1592	32	46M2314	1.82
1/8	Brown	● PP1569	100	46M2291	12.56	● PP1581	25	46M2303	11.88	● PP1593	28	46M2315	1.78
3/16	Brown	● PP1570	100	46M2292	16.48	● PP1582	25	46M2304	15.93	● PP1594	24	46M2316	1.96
1/4	Brown	● PP1571	100	46M2293	20.02	● PP1583	25	46M2305	17.75	● PP1595	20	46M2317	2.01
3/8	Brown	● PP1572	100	46M2294	21.62	● PP1584	25	46M2306	21.66	● PP1596	16	46M2318	1.73
1/2	Brown	● PP1573	100	46M2295	33.72	● PP1585	5	46M2307	6.51	● PP1597	14	46M2319	2.37
3/4	Brown	● PP1574	50	46M2296	44.00	● PP1586	5	46M2308	12.15	● PP1598	12	46M2320	4.83
1	Brown	● PP1575	50	46M2297	57.15	● PP1587	5	46M2309	17.70	● PP1599	8	46M2321	4.14
1-1/2	Brown	● PP1576	50	46M2298	117.53	● PP1588	5	46M2310	36.40	● PP1600	5	46M2322	5.56
2	Brown	● PP1577	50	46M2299	141.46	● PP1589	5	46M2311	51.06	● PP1601	3	46M2323	4.24
3/64	Red	● PP1422	100	46M2144	9.33	● PP1434	25	46M2156	9.56	● PP1446	40	46M2168	1.64
1/16	Red	● PP1423	100	46M2145	9.06	● PP1435	25	46M2157	9.10	● PP1447	36	46M2169	1.64
3/32	Red	● PP1424	100	46M2146	11.33	● PP1436	25	46M2158	10.88	● PP1448	32	46M2170	1.82

➤ CONTINUED ➤

HEAT-SHRINK TUBING

POLYOLEFIN HEAT SHRINK TUBING (CONT.)

Nom. Size (in.)	Color	Mfg. Part No.	Spools			Mfg. Part No.	4' Lengths			Mfg. Part No.	6" Lengths		
			Spool Size (ft.)	Stock No.	Price per Spool		Pieces per Pkg.	Stock No.	Price per Pkg.		Pieces per Pkg.	Stock No.	Price per Pkg.
3/16	Red	● PP1426	100	46M2148	16.48	● PP1438	25	46M2160	15.93	● PP1450	24	46M2172	1.96
1/4	Red	● PP1427	50	46M2149	20.02	● PP1439	25	46M2161	17.75	● PP1451	20	46M2173	2.01
3/8	Red	● PP1428	50	46M2150	21.62	● PP1440	25	46M2162	21.66	● PP1452	16	46M2174	1.73
1/2	Red	● PP1429	50	46M2151	33.72	● PP1441	5	46M2163	6.51	● PP1453	14	46M2175	2.37
3/4	Red	● PP1430	50	46M2152	44.00	● PP1442	5	46M2164	12.15	● PP1454	12	46M2176	4.83
1	Red	● PP1431	50	46M2153	57.15	● PP1443	5	46M2165	17.70	● PP1455	8	46M2177	4.14
1-1/2	Red	● PP1432	50	46M2154	117.53	● PP1444	5	46M2166	36.40	● PP1456	5	46M2178	5.56
2	Red	● PP1433	50	46M2155	141.46	● PP1445	5	46M2167	51.06	● PP1457	3	46M2179	4.24
3/64	Yellow	● PP1458	100	46M2180	9.33	● PP1470	25	46M2192	9.56	● PP1482	40	46M2204	1.64
1/16	Yellow	● PP1459	100	46M2181	9.06	● PP1471	25	46M2193	9.10	● PP1483	36	46M2205	1.64
3/32	Yellow	● PP1460	100	46M2182	11.33	● PP1472	25	46M2194	10.88	● PP1484	32	46M2206	1.82
1/8	Yellow	● PP1461	100	46M2183	12.56	● PP1473	25	46M2195	11.88	● PP1485	28	46M2207	1.78
3/16	Yellow	● PP1462	100	46M2184	16.48	● PP1474	25	46M2196	15.93	● PP1486	24	46M2208	1.96
1/4	Yellow	● PP1463	100	46M2185	20.02	● PP1475	25	46M2197	17.75	● PP1487	20	46M2209	2.01
3/8	Yellow	● PP1464	100	46M2186	21.62	● PP1476	25	46M2198	21.66	● PP1488	16	46M2210	1.73
1/2	Yellow	● PP1465	100	46M2187	33.72	● PP1477	5	46M2199	6.51	● PP1489	14	46M2211	2.37
3/4	Yellow	● PP1466	50	46M2188	44.00	● PP1478	5	46M2200	12.15	● PP1490	12	46M2212	4.83
1	Yellow	● PP1467	50	46M2189	57.15	● PP1479	5	46M2201	17.70	● PP1491	8	46M2213	4.14
1-1/2	Yellow	● PP1468	50	46M2190	117.53	● PP1480	5	46M2202	36.40	● PP1492	5	46M2214	5.56
2	Yellow	● PP1469	50	46M2191	141.46	● PP1481	5	46M2203	51.06	● PP1493	3	46M2215	4.24
3/64	Blue	● PP1530	100	46M2252	9.33	● PP1542	25	46M2264	9.56	● PP1554	40	46M2276	1.64
1/16	Blue	● PP1531	100	46M2253	9.06	● PP1543	25	46M2265	9.10	● PP1555	36	46M2277	1.64
3/32	Blue	● PP1532	100	46M2254	11.33	● PP1544	25	46M2266	10.88	● PP1556	32	46M2278	1.82
1/8	Blue	● PP1533	100	46M2255	12.56	● PP1545	25	46M2267	11.88	● PP1557	28	46M2279	1.78
3/16	Blue	● PP1534	100	46M2256	16.48	● PP1546	25	46M2268	15.93	● PP1558	24	46M2280	1.96
1/4	Blue	● PP1535	100	46M2257	20.02	● PP1547	25	46M2269	17.75	● PP1559	20	46M2281	2.01
3/8	Blue	● PP1536	100	46M2258	21.62	● PP1548	25	46M2270	21.66	● PP1560	16	46M2282	1.73
1/2	Blue	● PP1537	100	46M2259	33.72	● PP1549	5	46M2271	6.51	● PP1561	14	46M2283	2.37
3/4	Blue	● PP1538	50	46M2260	44.00	● PP1550	5	46M2272	12.15	● PP1562	12	46M2284	4.83
1	Blue	● PP1539	50	46M2261	57.15	● PP1551	5	46M2273	17.70	● PP1563	8	46M2285	4.14
1-1/2	Blue	● PP1540	50	46M2262	117.53	● PP1552	5	46M2274	36.40	● PP1564	5	46M2286	5.56
2	Blue	● PP1541	4	46M2263	141.46	● PP1553	5	46M2275	51.06	● PP1565	3	46M2287	4.24

3:1 SHRINK RATIO, MATERIAL: POLYOLEFIN

UL Recognized (UL224, 125°C 600V VW-1), Meets AMS-DTL-23053/5 class 1 & 3, Operating temperature: -55°C – 135°C

1/8	Black	...	...	...	...	● PP1710	25	46M2432	26.08	● PP1718	28	46M2440	3.64
3/16	Black	...	...	...	...	● PP1711	25	46M2433	36.90	● PP1719	24	46M2441	4.42
1/4	Black	...	...	...	...	● PP1712	25	46M2434	47.46	● PP1720	20	46M2442	4.74
3/8	Black	...	...	...	...	● PP1713	25	46M2435	56.88	● PP1721	16	46M2443	4.55
1/2	Black	...	...	...	...	● PP1714	5	46M2436	15.57	● PP1722	14	46M2444	5.46
3/4	Black	...	...	...	...	● PP1715	5	46M2437	24.98	● PP1723	12	46M2445	7.51
1	Black	...	...	...	...	● PP1716	5	46M2438	41.09	● PP1724	8	46M2446	8.24
1 1/2	Black	...	...	...	...	● PP1717	5	46M2439	55.51	● PP1725	5	46M2447	6.97

3:1 SHRINK RATIO, MATERIAL: ADHESIVE LINED POLYOLEFIN

UL Recognized (UL224, 125°C 600V VW-1), Meets AMS-DTL-23053/5 class 1 & 3, Operating temperature: -55°C – 135°C

1/8	Black	...	...	...	...	● PP1726	25	46M2448	74.67	● PP1734	28	46M2456	10.47
3/16	Black	...	...	...	...	● PP1727	25	46M2449	99.65	● PP1735	24	46M2457	11.97
1/4	Black	...	...	...	...	● PP1728	25	46M2450	118.26	● PP1736	20	46M2458	11.83
3/8	Black	...	...	...	...	● PP1729	25	46M2451	174.31	● PP1737	16	46M2459	13.93
1/2	Black	...	...	...	...	● PP1730	5	46M2452	39.86	● PP1738	14	46M2460	13.97
3/4	Black	...	...	...	...	● PP1731	5	46M2453	56.06	● PP1739	12	46M2461	16.79
1	Black	...	...	...	...	● PP1732	5	46M2454	54.38	● PP1740	8	46M2462	10.88
1 1/2	Black	...	...	...	...	● PP1733	5	46M2455	103.61	● PP1741	5	46M2463	12.97

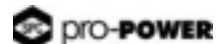
(94367)

POLYOLEFIN HEAT SHRINK TUBING KITS

- Choose between 3:1 or 2:1 shrink ratios
- Nominal Diameters: 1/8", 3/16", 1/4", and 1/2"
- Colors: black, blue, yellow, red and white
- Lengths: 2" and 2 3/4"



Just Added



ProPower® Heat Shrink Tubing Kits are the perfect solution for the all-around wiring professional. They each contain 180 pieces spread out among a number of different sizes to accommodate almost any shrink tubing situation. Meets MIL-DTL-23053/5 class 1 specifications. UL recognized, CSA approved.

Mfg. Part No.	Kit Contents	Stock No.	Price Each
● PP1744	3:1 Polyolefin Heat Shrink Tubing Kit - 180 Pieces	46M2465	75.08
● PP1742	2:1 Polyolefin Heat Shrink Tubing Kit - 180 Pieces	46M2464	38.09

(94366)



HEAT-SHRINK TUBING

ENVIRONMENT-FRIENDLY, FLAME-RETARDANT (2:1) SHRINK RATIO, FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING



Environment-friendly heat-shrink tubing made of flexible, thin-wall polyolefin, which offers superior mechanical strength making it ideal for use in the electronics, communications and automotive fields. Specially designed formulation meets the standards of UL224 125°C file E236137 and CSA C22.2. Meets flammability requirements of UL VW-1. It's free from environmentally harmful substances, such as PBB's, PBBO's, PBBE's and toxic heavy metal compounds in its components, making it meet requirements of environment protection. Plus, in case of burning, no Dioxin is produced. Offers a low shrink temperature of 70°C which can prevent damage to temperature-sensitive substrates. Color: black. Other colors available; visit Newark online. Sold in bags of 4' and 6' lengths.



Size (In.)	Expanded Inner Dia. (In.)	Expanded Nom. Wall Thickness (In.)	Recovered Inner Dia. (In.)	Recovered Nom. Wall Thickness (In.)	4' Lengths					6' Lengths				
					Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.	Mfg. Part No.	Lengths Per Bag	Total Footage	Stock No.	Price per Pkg.
0.047	0.063	0.007	0.024	0.013	● SPC14152	25	100	57J5913	10.24	● SPC14153	40	20	57J5914	2.24
0.063	0.079	0.007	0.031	0.014	● SPC14154	25	100	57J5915	10.60	● SPC14155	36	18	57J5916	2.07
0.094	0.122	0.010	0.047	0.017	● SPC14156	25	100	57J5917	10.93	● SPC14157	32	16	57J5918	1.91
0.125	0.146	0.010	0.063	0.017	● SPC14158	25	100	57J5919	11.90	● SPC14159	28	14	57J5920	1.83
0.187	0.205	0.010	0.094	0.02	● SPC14160	25	100	57J5921	17.87	● SPC14161	24	12	57J5922	2.36
0.25	0.268	0.010	0.126	0.022	● SPC14162	25	100	57J5923	21.16	● SPC14163	20	10	57J5924	2.32
0.375	0.421	0.012	0.189	0.022	● SPC14164	25	100	57J5925	30.09	● SPC14165	16	8	57J5926	2.72
0.5	0.539	0.012	0.252	0.026	● SPC14166	5	20	57J5927	7.39	● SPC14167	14	7	57J5928	3.13
0.75	0.807	0.016	0.374	0.031	● SPC14168	5	20	57J5929	12.39	● SPC14169	12	6	57J5930	4.31
1	1.043	0.018	0.500	0.035	● SPC14170	5	20	57J5931	16.00	● SPC14171	8	4	57J5932	3.70
1.5	1.614	0.020	0.752	0.04	● SPC14172	5	20	57J5933	32.97	● SPC14173	5	2.5	57J5934	4.92
2	2.047	0.020	1.000	0.045	● SPC14174	5	20	57J5935	49.41	● SPC14175	3	1.5	57J5936	4.02

(83198)

COLD-SHRINK PLASTIC WRAP



Forms water-tight skin for long-term protection, even during prolonged immersion in water, with no heat or open flame. Tape amalgamates—“welds” itself into homogeneous mass—but does not transfer adhesive. Excellent electrical properties, water, ozone, and corrosion resistance. 0.020" (0.508) thick. Color: Black.

Mfg. Part No.	Width	Roll Length	Stock No.	Price Each		
				1-9	10-24	25-49
● 605262-1	1.00"	10'	95F1130	8.43	7.65	7.02
● 605980-1	0.75"	30'	95F1131	17.76	15.52	12.89
● 605980-2	1.00"	30'	95F1132	23.74	20.74	17.23
● 605262-2	2.00"	30'	95F1134	112.88	98.62	81.91

(5459)

RAYCHEM MINI SEAL SPLICES

Just Added



- Immersion-resistant
- Insulation and strain relief

BUTT SPLICES

Mfg. Part No.	CMA Range	AWG Size	Color	Stock No.	Price Each	
					1-24	25-49
● D-436-0110	304-1510	26-20	Red	42M1611	10.41	9.43
● D-436-36	304-1510	26-20	Red	11J1494	4.53	4.11
● D-436-37	779-2680	20-16	Blue	72J8570	4.92	4.46
● D-436-38	1900-6755	16-12	Yellow	64J7544	5.56	5.04
● D-436-42	779-2680	24-22	Blue	57J2230	11.92	10.81
● D-436-43	1900-6755	22-18	Yellow	26K5952	12.47	11.31
● D-436-52	779-2680	20-16	Blue	58K9872	7.16	6.49
● D-436-53	1900-6755	18-12	Yellow	26K3197	7.63	6.91

STUB SPLICES

Mfg. Part No.	CMA Range	AWG Size	Color	Stock No.	Price Each	
					1-24	25-49
● D-436-0128	304-1510	26-20	Red	57J2223	3.34	3.03
● D-436-58	779-2680	20-16	Blue	73J7755	3.90	3.53
● D-436-59	1900-6755	18-12	Yellow	57J2239	4.04	3.66
● D-436-60	779-2680	20-16	Blue	23K7633	6.04	5.48
● D-436-61	1900-6755	18-12	Yellow	22M4681	6.31	5.72

(93125)

SOLDERSLEEVE™ SOLDER WIRE TERMINATION SLEEVES



These heat-shrinkable solder sleeves make wire and cable termination easy and less time consuming than conventional hand soldering or crimping.



S01 SERIES WIRE-TO-WIRE SHIELD TERMINATORS, MIL-S-83519/1

Designed to make an environment-resistant shield wire-to-wire termination on cable. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked polyvinylidene fluoride. Immersion-resistant. Meets MIL-S-83519/1 military specifications.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
S01-01-R	0.650/0.105	09J3986	2.11
S01-02-R	0.650/0.145	09J3987	1.82
S01-03-R	0.650/0.200	09J3988	1.70
S01-04-R	0.750/0.255	09J3989	3.17
S01-05-R	0.750/0.300	09J3990	8.86

CWT-900x SERIES WIRE-TO-WIRE TERMINATORS

Designed to splice bare or tin-plated copper stranded wire rated at least +85°C. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Color-coded, meltable thermoplastic rings. Temperature range: -55°C to +125°C.

Mfg. Part No.	Length/I.D. (Min., In.)	Ring Color	Stock No.	Price Each
				1-49
● B-155-9001	1.025/0.065	Transparent (Clear)	42M3292	1.56
● B-155-9002	1.655/0.105	Red	42M3293	1.71
● B-155-9003	1.655/0.180	Blue	42M3294	1.80

CWT-xx-W122-5 SERIES WIRE TERMINATORS WITH PRE-INSTALLED LEAD

Designed for termination of bare or tin-plated copper shield on cable insulation-rated at least +85°C. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Ground lead constructed of stranded, tin-plated copper polyethylene wire (22 AWG). Temperature range: -55°C to +125°C. Lead color: green.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
CWT-3-W122-5	0.965/0.118	09J3980	2.52
● B-155-05-35-22-5	1.154/0.189	42M3289	4.84
● B-155-07-35-22-5	1.280/0.287	42M3290	3.74

CWT-150x SERIES WIRE-TO-PIN TERMINATORS

Designed for termination of wire to the lead of an electrical component or to the terminal (pin) of a connector. Transparent, heat-shrinkable insulation sleeve constructed of radiation cross-linked modified polyolefin. Temperature range: -55°C to +125°C.

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
			1-49
● B-155-1501	0.630/0.060	82K9319	1.12
CWT-1502	0.630/0.090	09J3978	0.98

➔ CONTINUED ➔

CABLE MANAGEMENT

HEAT-SHRINK TUBING

SOLDERSLEEVE™ SOLDER WIRE TERMINATION SLEEVES (CONT.)

Mfg. Part No.	Length/I.D. (Min., In.)	Stock No.	Price Each
CWT-3805-W2	1.655/0.180	33K3586	3.18
● B-155-1503	0.630/0.110	42M3291	1.29

(80033)

RAYCHEM FLEXIBLE POLYOLEFIN HEAT-SHRINK BOOTS



Just Added



Ideal for use with circular connectors to provide connector/cable strain relief. Also used with Raychem adapters to provide strain relief and mechanical protection for harness systems using circular connectors. Molded of Thermoflex® flexible polyolefin with pre-coating adhesive for added sealing protection. Meets DEF. Stan. 59-97 Issue 3 Type DA, MIL-I-81765/2 Class II, UL224 E8831 standards. Operating temperature -20° to +60°. Color: black.

STRAIGHT, LIPPED HEAT-SHRINK BOOTS

Mfg. Part No.	Expanded I.D. (In.)	Recovered I.D. (In.)	Length (in.)	Stock No.	Price Each
● 202D921-4/42-0	0.25	0.08	2.37	73K0578	27.17 25.09
● 202D211-4/42-0	0.88	0.25	4.17	73K2235	25.08 23.16
● 202D211-4/86-0	0.88	0.25	4.17	26K1346	25.08 23.16
● 202D221-4/42-0	1.01	0.29	4.77	35M5596	26.92 24.86
● 202D221-4/86-0	1.01	0.29	4.77	14M9304	27.17 25.09
● 202D232-4/86-0	1.16	0.33	5.46	26K1349	29.26 27.02
● 202D242-4/86-0	1.34	0.38	6.28	24K3624	31.35 28.95
● 202D253-4/42-0	1.47	0.41	7.00	57J3440	33.44 30.88
● 202D263-4/42-0	1.72	0.48	8.00	18M7131	39.71 36.67
● 202D263-4/86-0	1.72	0.48	8.00	87K0522	39.71 36.67

RIGHT-ANGLE, LIPPED HEAT-SHRINK BOOTS

● 222D963-4/42-0	0.45	0.14	4.55	18M4547	39.71 36.67
● 222K152-4/42-0	1.42	0.88	1.81	30K5344	29.26 27.02

45° SIDE-BREAKOUT TRANSITION HEAT-SHRINK BOOTS

Provides strain relief and mechanical protection at 45° junctions in cable harness assemblies where a small diameter breakout occurs.

● 342A024-4/42-0	1.06	0.50	3.64	60K8740	45.98 42.46
● 342A034-4/42-0	1.06	0.54	5.70	42J9647	54.34 50.18

"T"-TRANSITION HEAT-SHRINK BOOT

Equal size outlets provide strain relief and mechanical protection at "T"-junctions in cable harness assemblies.

● 301A011-4/42-0	0.26	0.14	1.17	16M1641	27.17 25.09
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"Y"-SLIMLINE-TRANSITION HEAT-SHRINK BOOT

Equal size outlets provide strain relief and mechanical protection at "Y"-junctions in cable harness assemblies.

● 381A301-71/42-0	0.78	0.26	1.60	36K3055	35.53 32.81
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(94530)

ATUM SERIES HIGH- EXPANSION RATIO 3:1, ADHESIVE-LINED HEAT-SHRINK TUBING



ATUM series heat-shrink tubing is radiation-crosslinked and adhesive-lined to provide environmental sealing in a wide variety of electrical applications such as sealing connector backshells and cable breakouts and to repair damaged cable. Tubing and adhesive remain flexible, so the moisture-seal withstands bending. High-expansion ratio (3:1) makes it possible to repair cable without removing connectors. Full recovery temperature: 125°C. Operating temperature range: -55°C to 110°C. Meets military AMS-DTL-23053/4, Class 3 specifications. UL recognized at 110°C, 600V. Color: black. Sold in 4 ft lengths.

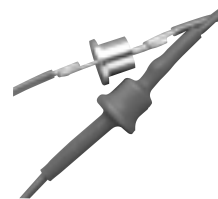


Mfg. Part No.	Size Dia. * (mm)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● ATUM-3/1-0-STK	3	0.118	0.039	0.039	09J3922	3.21
● ATUM-6/2-0-STK	6	0.236	0.076	0.039	09J3924	4.89
● ATUM-9/3-0-STK	9	0.354	0.118	0.055	09J3925	3.89
● ATUM-12/4-0-STK	12	0.472	0.157	0.015	09J3919	8.86
● ATUM-19/6-0-STK	19	0.748	0.236	0.088	09J3920	6.47
● ATUM-24/8-0-STK	24	0.940	0.315	0.1	09J3921	9.02
● ATUM-40/13-0-STK	40	1.570	0.512	0.1	09J3923	14.77

*ID as supplied/ID fully recovered
(79621)

● Indicates RoHS Compliant

RNF-100 SERIES FLEXIBLE, FLAME-RETARDANT GENERAL- PURPOSE POLYOLEFIN HEAT- SHRINK TUBING



- Used for wire bundling, light-duty harnesses and wire identification
- Shrink ratio: 2:1
- Minimum shrink temperature: 95°C
- Continuous temperature range: -55°C to 135°C

RNF-100 general-purpose polyolefin heat-shrink tubing is designed to provide superior mechanical- (abrasion, cut-through and strain relief), thermal- and fluid-resistance performance in demanding environments. Black tubing is flame-retardant and meets AMS-DTL-23053/5, Class 1 Def. Stan. 59-97 Type 2B military specifications. Clear tubing meets AMS-DTL-23053/5, Class 2 VG 95343 Pt 5 Type B military specifications. Sold in 48" lengths or in mini spool sizes indicated in table below, except * indicates spool of 250'.

48" LENGTHS

Mfg. Part No.	Color	Expanded I.D. (In.)	Recovered I.D. (In.)	Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● RNF-100-3/64-BK-STK	Black	0.046	0.023	0.016	09J3960	0.27
● RNF-100-1/16-BK-STK	Black	0.063	0.031	0.017	09J3951	0.37
● RNF-100-3/32-BK-STK	Black	0.093	0.046	0.02	09J3958	0.39
● RNF-100-1/8-BK-STK	Black	0.125	0.062	0.02	09J3954	0.42
● RNF-100-3/16-BK-STK	Black	0.187	0.093	0.02	09J3957	0.51
● RNF-100-3/16-BL-SP	Blue	0.187	0.093	0.02	26K2595	0.51
● RNF-100-1/4-BK-STK	Black	0.250	0.125	0.025	09J3953	0.63
● RNF-100-3/8-BK-STK	Black	0.375	0.187	0.025	09J3961	0.71
● RNF-100-1/2-BK-STK	Black	0.500	0.250	0.025	09J3952	0.88
● RNF-100-1/2-CL-SP	Clear	0.500	0.250	0.025	61J0695	0.72
● RNF-100-3/4-BK-STK	Black	0.750	0.375	0.03	09J3959	1.18
● RNF-100-1-BK-STK	Black	1.000	0.500	0.035	09J3949	1.79
● RNF-150-1-0-SP*	Black	1.000	0.500	0.035	43M0007	1269.36
● RNF-100-1-1/2-BK-STK	Black	1.500	0.750	0.04	09J3950	3.77
● RNF-100-1-1/2-CL-SP	Clear	1.500	0.750	0.04	63J6492	3.77
● RNF-100-2-BK-STK	Black	2.000	1.000	0.045	09J3955	4.66
● RNF-100-2-CL-SP	Clear	2.000	1.000	0.045	57J4182	4.66
● RNF-100-3-BK-STK	Black	3.000	1.500	0.05	09J3956	11.07
● RNF-100-4-BK-STK	Black	4.000	2.000	0.055	09J3962	15.66

MINI SPOOLS — BLACK

Mfg. Part No.	Expanded I.D. (In.)	Recovered I.D. (In.)	Nom. Wall Thickness (In.)	Spool Size (Ft.)	Stock No.	Price per Spool
● RNF-100-MINI-SPL-3/64-BK	0.046	0.023	0.016	100	09J3947	23.68
● RNF-100-MINI-SPL-1/16-BK	0.063	0.031	0.017	75	09J3940	23.68
● RNF-100-MINI-SPL-3/32-BK	0.093	0.046	0.02	65	09J3945	23.68
● RNF-100-MINI-SPL-1/8-BK	0.125	0.062	0.02	60	09J3943	23.68
● RNF-100-MINI-SPL-3/16-BK	0.187	0.093	0.02	50	09J3944	23.68
● RNF-100-MINI-SPL-1/4-BK	0.250	0.125	0.025	40	09J3942	23.68
● RNF-100-MINI-SPL-3/8-BK	0.375	0.187	0.025	35	09J3948	23.68
● RNF-100-MINI-SPL-1/2-BK	0.500	0.250	0.025	30	09J3941	23.68
● RNF-100-MINI-SPL-3/4-BK	0.750	0.375	0.03	25	09J3946	23.68
● RNF-100-MINI-SPL-1-BK	1.000	0.500	0.035	15	09J3939	23.68

(79616)

TAT-125 SERIES FLEXIBLE, ADHESIVE- LINED POLYOLEFIN HEAT-SHRINK TUBING



TAT-125 series heat-shrink tubing is adhesive-lined, flexible and thin-walled making it suitable for electrical insulation and moisture sealing in a wide variety of applications. Tubing and adhesive remain flexible, so the moisture-seal withstands bending. Full recovery temperature: 121°C. Operating temperature range: -55°C to 110°C. Meets military AMS-DTL-23053/4, Class 2 specifications. UL recognized. Color: black. Sold in 4 ft lengths.



Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● TAT-125-1/8-0-STK	0.125	0.125	0.062	0.027	09J3996	1.16
● TAT-125-3/16-0-STK	0.188	0.187	0.093	0.028	09J3997	1.41
● TAT-125-1/4-0-STK	0.25	0.250	0.125	0.029	09J3995	1.77
● TAT-125-3/8-0-STK	0.375	0.375	0.187	0.029	09J3999	1.98
● TAT-125-1/2-0-STK	0.5	0.500	0.250	0.03	09J3994	2.46

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HEAT-SHRINK TUBING

TAT-125 SERIES FLEXIBLE, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING (CONT.)

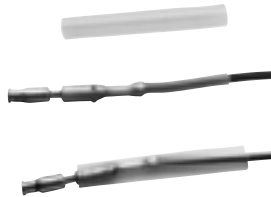
Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● TAT-125-3/4-0-STK	0.75	0.750	0.375	0.035	09J3998	3.27
● TAT-125-1-0-STK	1	1.000	0.500	0.042	62K3470	4.89
● TAT-125-1-1/2-0-STK	1.5	1.500	0.750	0.047	09J3993	8.68

(79633)

RW-175 SERIES THIN-WALL, SEMIRIGID FLUOROPOLYMER HEAT-SHRINK TUBING



RW-175 series heat-shrink tubing is a tough, semirigid, very-thin-wall insulation. Suitable for high-temperature performance, with excellent abrasion and cut-through resistance. Provides protection for fluids and chemicals. Translucent (clear) polyvinylidene fluoride material permits visual inspection of covered components. Full recovery temperature: 175°C. Operating temperature range: -55°C to 175°C. Meets military AMS-DTL-23053/8 specifications. UL recognized, CSA certified at 150°C, 600V, with VW-1 and OFT flame-retardant ratings. Color: translucent (clear). **Sold in 4 ft lengths.**



Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● RW-175-3/64-X-STK	0.047	0.046	0.023	0.01	09J3974	0.89
● RW-175-1/16-X-STK	0.063	0.063	0.031	0.01	09J3967	0.94
● RW-175-3/32-X-STK	0.094	0.093	0.046	0.01	09J3972	1.06
● RW-175-1/8-X-STK	0.125	0.125	0.062	0.01	09J3970	1.14
● RW-175-3/16-X-STK	0.188	0.187	0.093	0.01	09J3971	1.78
● RW-175-1/4-X-STK	0.25	0.250	0.125	0.013	09J3969	2.23
● RW-175-3/8-X-STK	0.375	0.375	0.187	0.013	09J3975	2.70
● RW-175-1/2-X-STK	0.5	0.500	0.250	0.013	09J3968	4.80
● RW-175-3/4-X-STK	0.75	0.750	0.375	0.017	09J3973	7.10

(79630)

RAYCHEM DUAL WALL HEAT SHRINK TUBING



Just Added



- 3:1 Shrink ratio
- Min. shrink temperature: 90°C [195°F]
- Min. full recovery temperature: 121°C [257°F]
- Operating temperature: -55°C to 90°C
- Sold in 4 feet strips



BSTS SERIES TUBING

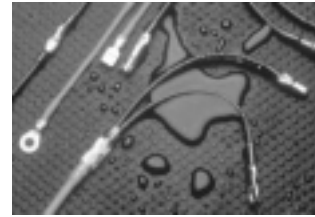
Mfg. Part No.	Inside Dia. Min. Expanded (mm)	Inside Dia. Max. Recovered (mm)	Recovered Wall Thickness Nom. (mm)	Stock No.	Price Each
● BSTS-03X4	7.62	2.54	1.52	42M1305	18.27
● BSTS-04X4	10.16	3.81	1.52	42M1306	17.15
● BSTS-07X4	19.05	5.59	2.41	22J0740	16.96
● BSTS-13X4	33.02	9.52	3.05	22J0743	22.20
● BSTS-15X4	38.10	12.70	3.56	37J0154	22.08
● BSTS-17X4	43.18	12.70	3.56	42M1307	24.58
● BSTS-20X4	50.80	19.05	3.94	37J0158	39.90

SST SERIES TUBING

Mfg. Part No.	Inside Dia. Min. Expanded (mm)	Inside Dia. Max. Recovered (mm)	Recovered Wall Thickness Nom. (mm)	Stock No.	Price Each
● SST-30-03/226	7.62	2.54	1.52	42M1309	15.73
● SST-30-04/226	10.16	3.81	1.52	42M1310	19.77
● SST-48-07/226	19.05	5.59	2.41	42M1311	20.57
● SST-48-13/226	33.02	9.52	3.05	14M8097	28.59
● SST-48-15/226	38.10	12.70	3.56	42M1312	37.24
● SST-48-17/226	43.18	12.70	3.56	57J0149	38.27
● SST-48-20/226	50.80	19.05	3.88	42M1313	48.24

(93124)

DURASEAL HEAT-SHRINKABLE, ENVIRONMENTALLY-SEALED, NYLON-INSULATED CRIMP SPLICES



Heat-shrinkable crimp splices completely insulate and protect electrical connections from water, condensation, salt and corrosion. Provides strain relief and protects against wire pull-out and vibration in rugged environments. Easy-to-install, 1-pc. construction. Pre-installed nylon heat-shrink tubing is adhesive-lined for added protection against abrasions and cuts. Shrink ratio: 2:1. Operating temperature range: -55°C to 125°C. Ideal for wire-to-wire splicing in marine electronics, fleet maintenance, commercial wiring, and automotive/truck wiring maintenance applications. UL listed.

Mfg. Part No.	Color	AWG	Length/Dia. (In.)	Stock No.	Price Each
● D-406-0001	Red	22-18	1.25/0.145	09J4057	0.42
● D-406-0002	Blue	16-14	1.25/0.180	09J4058	0.56
● D-406-0003	Yellow	12-10	1.50/0.250	09J4059	0.76

(80042)

RHW SERIES HEAVY-WALL, ADHESIVE-LINED POLYOLEFIN HEAT-SHRINK TUBING



Just Added



RHW series rugged, heavy-wall, adhesive-lined polyolefin heat-shrink tubing is specifically designed for insulating, protecting and sealing electrical connections and joints in low-voltage cable. Withstands mechanical abuse for increased product reliability. Highly-resistant to impact, abrasion, chemicals, moisture and oils. Minimum shrink temperature: 110°C. Minimum full recovery temperature: 125°C. Operating temperature range: -55°C to 110°C. UL listed file E115664. **Sold in 1' lengths.**



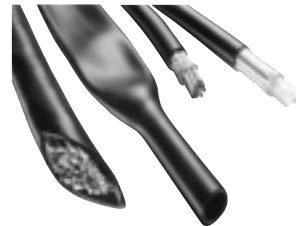
Mfg. Part No.	Size and Color	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Stock No.	Price per Foot
● RHW-20/6-1200/ADH-2	20/6 Red	0.787	0.236	0.098	10M9209	13.58
● RHW-51/16-1200/ADH-0	51/16 Black	2.008	0.630	0.177	10M9210	31.04

(89380)

NT-MIL SERIES FLEXIBLE MODIFIED ELASTOMERIC HEAT-SHRINK TUBING



NT-MIL series modified elastomeric heat-shrink tubing offers outstanding resistance to abrasion and physical abuse while providing flexibility and strain relief needed in many harnessing and wire bundling applications in military and aerospace industries. Meets stringent requirements of AMS-DTL-23053/1, Classes 1 and 2. Remains flexible at temperatures as low as -70°C without cracking. Withstands heat shock at 200°C without dripping, flowing or cracking. Resistant to common fluids and solvents. Full recovery temperature: 135°C. Continuous operating range: -70°C to 121°C. Color: black. **Sold in spool sizes indicated in table below.**

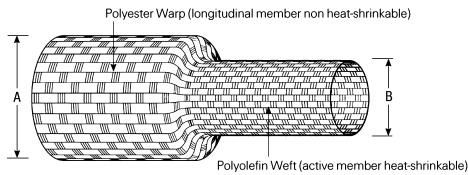


Mfg. Part No.	Size Dia. (In.)	Expanded I.D. (In.)	Recovered I.D. (In.)	Recovered Nom. Wall Thickness (In.)	Spool Size (Ft)	Stock No.	Price per Foot
● NT-MIL-1/4-0-SP	0.25	0.250	0.143	0.035	300	09J3936	1.43
● NT-MIL-3/8-0-SP	0.375	0.375	0.211	0.065	300	09J3938	1.56
● NT-MIL-1/2-0-SP	0.5	0.500	0.286	0.048	300	09J3935	1.72
● NT-MIL-1-0-SP	1	1.000	0.570	0.07	200	18M9250	3.00

(79601)

HEAT-SHRINK TUBING • HEAT-SHRINK TUBING KITS

HFT5000 SERIES HIGHLY-FLEXIBLE, WOVEN FABRIC HEAT-SHRINK TUBING



HFT5000 series heat-shrinkable woven fabric tubing is highly-flexible, resistant to trapping water, heat and humidity. Shrink ratio: 2:1 for easy installation. Heated above 110°C, tubing shrinks and fits snugly and securely around even awkward substrates such as bent hoses, pipes and harness wiring bundles. Also suitable for noise and rattle suppression. Constructed of heat-shrinkable circumferential polyolefin weft filaments and nonshrinking longitudinal polyester warp fibers with a modified polyolefin coating. Fabric is halogen-free and provides outstanding abrasion, chafing and cutting protection, even at high temperatures. Resistance to harsh environments. Min. recovery temperature: 110°C. Operating temperature range (3000 hours): -40°C to 125°C. Color: black. **Sold in spool sizes indicated in table below.**

Mfg. Part No.	Size Dia.* (mm)	Dim. A Expanded I.D. (In.)	Dim. B Recovered I.D. (In.)	Spool Size (M)	Stock No.	Price per Spool
● HFT-5000-12/6-0-SP	12	0.47	0.24	500	17M9300	1016.00
● HFT-5000-20/10-0-SP	20	0.79	0.39	400	17M9301	979.20
● HFT-5000-30/15-0-SP	30	1.18	0.59	400	17M9302	1196.80
● HFT-5000-40/20-0-SP	40	1.57	0.79	300	17M9303	1086.00
● HFT-5000-50/25-0-SP	50	1.97	0.98	200	17M9304	886.40
● HFT-5000-60/30-0-SP	60	2.36	1.18	200	17M9305	963.20
● HFT-5000-70/35-0-SP	70	2.76	1.38	150	17M9306	994.50

*ID as supplied/ID fully recovered (79831)

FP-301 AND FP-301VW SERIES HEAT-SHRINK TUBING ASSORTMENT PACKS



FP-301 series general-purpose and **FP-301VW series** flame-resistant tubing "size" assortment packs are 6" pieces, in black only. **FP-301 series** general-purpose tubing "color" assortment packs are 6" pieces, 7 colors per pack: black, clear, white, red, yellow, blue, and green.

FP-301A SERIES GENERAL-PURPOSE TUBING — SIZE AND COLOR ASSORTMENT PACKS

Mfg. Part No.	Size	Assortment	Description	Total Footage	Stock No.	Price per Pkg. 1-4
● 05113536612	3/64 - 3/16"	Size	6 Pieces Each of 5 Sizes	15'	93C9309	17.05
● FP-301 1/4"-3/4" ASSORT	1/4 - 3/4"	Size	4 Pieces Each of 4 Sizes	8'	95F7718	11.04
● FP-301 1"-4" ASSORT	1 - 4"	Size	2 Pieces Each of 5 Sizes	5'	95F7719	10.25
● FP-301-1/8-ASSORT	1/8"	Color	4 Pieces Per Color	14'	95F7724	10.24
● FP-301-1/4-ASSORT	1/4"	Color	3 Pieces Per Color	10.5'	95F7726	10.24
● FP-301-3/8-ASSORT	3/8"	Color	2 Pieces Per Color	7'	95F7727	10.24
● FP-301-1/2-ASSORT	1/2"	Color	2 Pieces Per Color	7'	95F7728	10.24

FP-301VW SERIES FLAME-RESISTANT TUBING — SIZE ASSORTMENT PACKS, BLACK ONLY

● FP-301VW 3/64"-3/16" AST	3/64 - 3/16"	Size	6 Pieces Each of 5 Sizes	15'	95F7720	11.04
● FP-301VW 1/4"-3/4" AST	1/4 - 3/4"	Size	4 Pieces Each of 4 Sizes	8'	95F7721	11.04
● FP-301VW 1"-4" ASSORT	1" - 4"	Size	2 Pieces Each of 5 Sizes	5'	95F7722	23.14

(6393)

NST SERIES (2:1) SHRINK RATIO, THICK-WALL, NEOPRENE HEAT-SHRINK TUBING



NST series neoprene thick-wall heat-shrink tubing provides superior cut-through and abrasion resistance. Excellent resistance to oils too. Maintains flexibility at low temperature. Rated for continuous operation from -70°C (-94°F) to 121°C (250°F). Recommended for applications requiring a tough, highly-flexible covering to operate in severe environmental conditions. Oil resistance properties make tubing ideal for auto, military and construction equipment industries. It is particularly useful for fabrication and repair of flexible harnesses and wire bundles and for covering hydraulic couplings. Meets military specifications: MIL-R-46846, Type 1, Class 1; MIL-DTL-23053/1, Class 1,2; AMS-3623. Color: black. **Sold in spool sizes indicated in table below.**



Mfg. Part No.	Size (In.)	Expanded ID (In., Min.)	Recovered ID (In., Max.)	Recovered Wall Nom. Thick. (In.)	Spool Size (Ft.)	Stock No.	Price per Spool 1-4
NST 1/4	0.25	0.250	0.125	0.035	200	11J5724	302.11
NST 3/8"	0.375	0.375	0.187	0.04	100	95F7712	154.37
NST-1/2-BLACK	0.5	0.500	0.250	0.048	100	05J1789	172.81
NST-5/8-BLACK	0.625	0.625	0.312	0.052	100	05J1790	220.92
NST 3/4"	0.75	0.750	0.375	0.057	100	95F7714	254.35
NST-1-BLACK	1	1.000	0.500	0.07	50	05J1788	381.73

(79144)

(3:1) SHRINK RATIO HEAT-SHRINK TUBING KIT



Mfg. part no. EPS 300 (3:1) shrink ratio tubing kit is an assortment of adhesive-lined, flexible polyolefin heat-shrinking tubing that comes in red or black. Includes product and installation information on storage case cover. Kit contains: 42-pieces; all pieces are 6" lengths; 12 each of 1/8" diameter red and black, 6 each of 3/4" diameter red and black, and 3 each of 1" diameter red and black. **Order replacement tubing packs; go online or call.**



Mfg. Part No.	Description	Stock No.	Price Each 1-4
● EPS-300	Heat-Shrink Tubing Kit	01F289	128.03

(79072)

HEAT-SHRINK TUBING KITS



FP301 series general-purpose, flexible polyolefin heat-shrink tubing kits contain a variety of popular tubing sizes in choice of all-black or multi-color assortments. The all-black tubing kit contains 102 pieces of 6" tubing lengths, in 6 sizes ranging from 3/64" to 1". The assorted color kit contains over 66 feet — a total of 133 pieces of 6" lengths in 6 diameters and 7 colors: black, red, white, yellow, blue, green, and clear. Includes: 5 of each color in 3/32" (2.36) size, 4 of each color in 1/8" (3.18) size, 3 of each color in 3/16" (4.75) size, 3 of each color in 1/4" (6.35) size, 2 of each color in 3/8" (9.53) size, and 2 of each color in 1/2" (12.70) size. Both kits are packaged in a plastic storage case. **Order replacement tubing packs separately on this page.**

Mfg. Part No.	Description	Stock No.	Price Each 1-4
● FP-301 KIT BLACK	All-Black Tubing Kit	16F8246	66.79
● FP-301 KIT ASSORTED	Assorted Color Tubing Kit	66F9674	66.79

(6473)

Talk to our team of engineers.

Chat live online with our expert technical team or connect to them by phone. **Go online or call us today.**

(94668)

HEAT-SHRINK TUBING KITS

8420 SERIES COLD SHRINK CONNECTOR INSULATORS



- Simple, Safe Insulation
- No Torches or Heat Required
- Easily Reopened for Required Disconnects or Inspections
- Good Thermal Stability
- Meets Water Seal Requirements of ANSI 119.1
- Constant Radial Pressure Provides a Permanent Seal Without Adhesive or Glue



Ideal for insulation and environmental sealing of electrical connections. Offers excellent abrasion resistance and toughness with water and ozone resistance. Insulators are open-ended, tubular, rubber sleeves that are factory expanded and assembled onto a removable plastic core. After the tube is positioned for installation over an inline connection, coupling or termination, the core is removed allowing the tube to shrink and form a water-resistant seal. Unwind the core to install. No tools are required. Other sizes also available; *go online or call*.

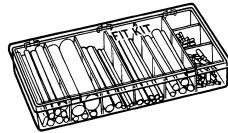
Mfg. Part No.	Relaxed Tubing Diameter	Cable Range	Relaxed Tube Length	Stock No.	Price Each
					1-9
● 8423-6P	0.40"	0.40"-0.82"	6"	18C5502	17.79
● 8424-8P	0.69"	0.69"-0.69"	8"	22C8577	22.80
● 8426-9P	0.95"	0.95"-1.94"	9"	18C5516	23.80

(65686)

FIT® HEAT-SHRINK TUBING ASSORTMENT SAMPLER KITS



FIT®-KITS provide a complete sampler selection of the most popular FIT® heat-shrink tubing types, colors, and sizes. Kits contain all necessary materials to satisfy strain relief, splicing, connecting, environmental protection, and cable repair needs. Ideal for use in R&D labs, engineering development and maintenance departments. Packaged in a portable, convenient molded case with formed compartments for neatly holding all components. Kit contents can also be purchased individually; *go online or call*.



FIT® KIT-1

Mfg. Part No.	FIT® KIT-1 Contents			Stock No.	Price per Kit
	Tubing Mfg. Part No. and Material	Sizes (Assorted Colors)	No. of 6" Lengths		
FIT-KIT-1	FIT-105 Vinyl	9 Sizes 3/64"-3/4"	18	81F9269	139.63
	FIT-221 Polyolefin	9 Sizes 3/64"-3/4"	19		
	FIT-295 Semi-Rigid Polyolefin	8 Sizes 3/64"-1/2"	12		
	FIT-300 Surface-Irradiated Polyolefin	5 Sizes 1/8"-1/2"	10		
	FIT-350 Kynar®	7 Sizes 3/64"-3/8"	14		
	FIT-CAPS Polyolefin	Cap 22, 23, 24	6 Caps		
	FIT-CRIMPS Nylon	22 - 10 AWG	3 Pcs.		

FIT® KIT-2 (ALSO INCLUDES ALL FIT® KIT-1 CONTENTS LISTED ABOVE)

Mfg. Part No.	FIT® KIT-2 Contents (Also Includes All FIT® KIT-1 Contents)			Stock No.	Price per Kit
	Tubing Mfg. Part No. and Material	Sizes (Assorted Colors)	No. of Lengths		
FKIT2 NC032	FIT-321 Adhesive-Lined Polyolefin	2 Sizes 1/4"-1/2"	16	81F9270	182.09
	FIT-400 FEP Teflon®	6 Sizes 12-24 AWG	22		
	FIT-500 TFE Teflon®	5 Sizes 18-26 AWG	17		
	FIT-600 Elastomer	5 Sizes 1/4"-1"	8		
	FIT-700 Mastic-Lined Cable Sleeves	2 Sizes 21, 22	2		
	FIT-750 Adhesive-Lined Cable Sleeves	1 Size 3/8"	10		

FIT® KIT-7

Mfg. Part No.	FIT® KIT-7 Contents			Stock No.	Price per Kit
	Tubing Mfg. Part No. and Material	Sizes (Assorted Colors)	No. of 6" Lengths		
FKIT7 NC032	FIT-105 Vinyl	7 Sizes 1/8"-1/2"	14	46F3173	247.83
	FIT-400 FEP Teflon®	6 Sizes 3/32"-1/2"	12		
	FIT-221 2:1 Polyolefin	7 Sizes 1/16"-1/2"	28		
	FIT-750 Adhesive-Lined Polyolefin	5 Sizes 1/16"-1/4"	10		
	FIT-260 Ground Lead Polyolefin	3 Sizes 1/8"-1/2"	6		
	FIT-300 Surface-Irradiated Polyolefin	4 Sizes 1/2"-3/8"	8		
	FIT-321 3:1 Polyolefin	3 Sizes 1/8"-1/2"	6		
	FIT-350 Kynar®	7 Sizes 3/64"-1/2"	14		
	FIT-CRIMPS Shrink Nylon Crimps	3 Sizes 1-3	12		

(6403)

FIT® HEAT-SHRINK TUBING VARIETY PACK WITH MINIGUN



Choose Mfg. part no. FITMGKIT1 NC032
FIT® Heat-Shrink Tubing Variety Pack with Minigun for:

- A convenient kit including Alpha's smallest heat gun, FIT® Minigun, along with FIT-221-R MC213 variety pack of Alpha Wire's FIT® -221 general-purpose irradiated polyolefin heat-shrinkable tubing (consisting of 60 6" long cut pieces in 5 sizes and 6 colors)
- FIT® Minigun nozzle temperature to 1000°F, 6' cord, rated 120V, 360W, 3A, UL listed
- Convenience in the shop or in the field
- Cost-effective solution for electrical and electronics technicians



Mfg. Part No. FITMGKIT1 NC032 Applications:

- A completely portable and extremely compact system that includes all necessary materials to satisfy strain relief, splicing, connecting, identification, environmental protection and cable repair applications

FIT® HEAT-SHRINK TUBING VARIETY PACK: 60 — 6" LENGTHS, 2:1 SHRINK RATIO

Size	Black	White	Red	Blue	Yellow	Green
1/8"	4	3	2	2	2	1
3/16"	4	3	2	2	2	1
1/4"	4	3	2	2	2	1
3/8"	3	2	1	1	1	1
1/2"	3	2	1	1	1	1

Mfg. Part No.	Description	Stock No.	Price Each
FITMGKIT1 NC032	FIT® Heat-Shrink Tubing Variety Pack with MiniGun	19C1492	106.77
FIT-221-R MC213	FIT® Heat-Shrink Tubing Variety Pack	26C1082	36.03

(73250)

GENERAL-PURPOSE, IRRADIATED POLYOLEFIN SHRINKABLE TUBING ASSORTMENTS



Mfg. part no. FIT-221C for use in research and development labs, engineering development and maintenance departments; contains 119 6" lengths of tubing in 6 sizes and assorted colors. Mfg. part no. FIT-221BK provides engineers and technicians with a complete assortment of tubing; contains 80 black, 6" lengths of tubing in 6 commonly used sizes. Operating temperature: -55°C to 135. Dielectric strength: 500V/mil.

MFG. PART NO. FIT-221C ASSORTMENT CHART — MULTI-COLOR

Size	Black	Red	White	Yellow	Green	Clear
3/32"	4	4	4	4	4	4
1/8"	3	3	3	3	3	3
3/16"	3	3	3	3	3	3
1/4"	3	3	3	3	3	3
5/8"	2	2	2	2	2	2
1/2"	2	2	2	2	2	2

MFG. PART NO. FIT-221BK ASSORTMENT CHART — ALL BLACK

Size	Black	Size	Black
3/16"	25	1/2"	10
1/4"	20	3/4"	6
3/8"	15	1"	4

Mfg. Part No.	Description	Stock No.	Price per Kit
● FIT KIT-221C	Multi-Color Heat-Shrink Tubing Assortment	88K1932	77.90
● FIT KIT-221BK	All Black Heat-Shrink Tubing Assortment	88K1931	65.71

(73249)

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(94656)

HEAT-SHRINK TUBING KITS

HEAT-SHRINK TUBING KITS

VOLTREX®
brandSPC
TECHNOLOGYRoHS
Compliant
AvailableTyco
Electronics

Kits contain a wide assortment of heat-shrink tubing, listed in the table below, enabling the engineer to choose the best kind for each application before putting a prototype into production. The basic kit contains 88 pieces of tubing, each 6" (150) long. The advanced kit contains 174 pieces of tubing, each 3" (75) long. Both kits are packaged in a sectioned, high-impact polystyrene storage box with "Quick-Scan" chart identifying contents.



VERSAFIT™ HIGHLY FLAME-RETARDANT, LOW-RECOVERY TEMPERATURE HEAT-SHRINK TUBING AND KITS



3

KIT CONTENTS

Mfg. Part No.	Description	Basic Kit Pcs.	Advanced Kit Pcs.
PVS	Flexible Polyvinylchloride 105 Shrink Tubing	18	18
FPS	Flexible Polyolefin Shrink Tubing	18	18
FPF	Flexible Polyolefin Flame-Retardant Shrink Tubing	18	18
KYS	Kynar® Polyvinylidene Shrink Tubing	15	16
PHD	Multiple Wall Polyolefin Shrink Tubing with Thermoplastic Adhesive Liner	9	10
SRM	Semi-Rigid, Multiple Wall Polyolefin Shrink Tubing	10	10
LTP	Flexible Polyolefin, Low-Temp. Shrink Tubing	...	18
PHS	Flexible, Multi-Wall, Adhesive-Lined, High-Ratio Shrink Tubing	...	10
PVHR	Irradiated PVC 105 Shrink Tubing	...	18
TTS	Teflon® (TFE) Shrink Tubing	...	12
SST	Teflon® Super-Shrink Tubing	...	14
TFM	Teflon® (TFE) w/ FEP Inner-Melt Teflon® Tubing	...	12

Type	Description	Stock No.	Each
SPC10858	Basic Kit	27C7809	78.99
SPC10857	Advanced Kit	27C7803	145.06

(6360)

FPA SERIES (2:1) SHRINK RATIO GENERAL-PURPOSE FLEXIBLE POLYOLEFIN HEAT-SHRINK TUBING ASSORTMENTS

RoHS
Compliant
AvailableSPC
TECHNOLOGY

Sold in 6" lengths.

Mfg. Part No.	Tubing Size	Colors	Lengths Per Pkg.	Stock No.	Price per Pkg.
● FPA-003-6030-AST	3/64 - 3/16"	Asst Colors	30	37N1182	10.92
● FPA-016-6016-AST	1/4 - 3/4"	Asst Colors	16	37N1183	8.56

(6278)

SHRINK-A-SHIELD TUBING KIT

RoHS
Compliant
AvailableSPC
TECHNOLOGY

Heat-shrink tubing with EM/RFI shielding. 2:1 shrink ratio polyolefin with conductive cloth lining combines an efficient shield with a shrink-fit jacket. Ideal for shielding wire or cable, adding additional shielding, or repairing shielding that has been stripped back for wire termination. Meets MIL-I-25053/5, Class 1 specifications. Passes VW-1 vertical wire flame test. Dielectric strength: 300 volts/mil. Attenuation averages 85dB from 1MHz to 1GHz. Temperature range: -40°F to +250°F. Kit includes 1' of shielding tubing and 3' of 24 AWG grounding wire.

Mfg. Part No.	Size	Recom. Useable I.D. Range	Recovered Nom. Wall Thickness	Stock No.	Price per Kit
● SPC5086	3/16"	0.093 - 0.187"	0.020"	50N161	8.13
● SPC5087	1/4"	0.125 - 0.250"	0.025"	50N162	10.84
● SPC5088	3/8"	0.188 - 0.375"	0.025"	50N163	13.28
● SPC5089	1/2"	0.250 - 0.500"	0.025"	50N164	15.11
● SPC5090	3/4"	0.375 - 0.750"	0.030"	50N165	20.92
● SPC5091	1"	0.500 - 1.000"	0.035"	50N166	24.87

(34083)

Versafit™ series heat-shrink tubing is ideal for a variety of functions in commercial and military applications, such as insulating and protecting in-line components and wire bundles for very flexible harnesses. Constructed from a crosslinked polyolefin to provide high-flame retardance (VW-1), excellent flexibility and a low shrink temperature. Full recovery temperature: 90°C. Operating temperature range: -55°C to 135°C. Meets military AMS-DTL-23053/5, Classes 1, 3 specifications. UL recognized, CSA certified at 120°C, 600V, with VW-1 and OFT flame-retardant ratings. Color: black. Sold in mini spool sizes indicated in table below.

MINI SPOOLS — BLACK

Mfg. Part No.	Size Dia. (in.)	Expanded I.D. (in.)	Recovered I.D. (in.)	Spool Size (ft.)	Stock No.	Price per Spool
● VERSAFIT-MINI-SPL-3/64-BK	0.047	0.064	0.023	100	09J4055	26.18
● VERSAFIT-MINI-SPL-1/16-BK	0.063	0.073	0.031	75	09J4048	26.18
● VERSAFIT-MINI-SPL-3/32-BK	0.094	0.110	0.046	65	09J4053	26.18
● VERSAFIT-MINI-SPL-1/8-BK	0.125	0.135	0.062	60	09J4051	26.18
● VERSAFIT-MINI-SPL-3/16-BK	0.188	0.205	0.093	50	09J4052	26.18
● VERSAFIT-MINI-SPL-1/4-BK	0.25	0.280	0.125	40	09J4050	26.18
● VERSAFIT-MINI-SPL-3/8-BK	0.375	0.400	0.187	35	09J4056	26.18
● VERSAFIT-MINI-SPL-1/2-BK	0.5	0.540	0.250	30	09J4049	26.18
● VERSAFIT-MINI-SPL-3/4-BK	0.75	0.805	0.375	25	09J4054	26.18
● VERSAFIT-MINI-SPL-1-BK	1	1.055	0.500	15	09J4047	22.55

VERSAFIT™ TUBING KITS IN BLACK OR ASSORTED COLORS

A variety of Versafit™ heat-shrink tubing kits in popular diameter sizes. Choice of all black or assorted colors. Mfg. part no. **VERSAFIT-KIT-NO.1-BLACK** 126-pc. kit includes: 30 3/16", 28 1/4", 24 3/8", 20 1/2", 14 3/4" and 10 1" pre-cut 6" pieces. Mfg. part no. **VERSAFIT-KIT-NO.2-COLORS** 133-pc. kit includes: 35 3/32", 28 1/8", 21 each of 3/16" and 1/4", 14 each of 3/8" and 1/2" pre-cut 6" pieces. Order refills for tubing kits separately below.

TUBING KITS AND REFILLS — BLACK

Mfg. Part No.	Size Dia. (in.)	Expanded I.D. (in.)	Recovered I.D. (in.)	No. of 6" Pcs.	Stock No.	Price Per Kit
VERSAFIT-KIT-NO.1-BLACK		Assorted		126	09J4002	69.36
● VERSAFIT-KIT-6-BLACK		Assorted		24†	09J4045	8.68
VERSAFIT-KIT-4-BLACK		Assorted		18*	09J4044	7.69
● VERSAFIT-3/16-KT1-REFILL	0.188	0.135	0.062	30	09J6840	8.39
● VERSAFIT-1/4-KT1-REFILL	0.25	0.280	0.125	28	09J6837	8.63
● VERSAFIT-3/8-KT1-REFILL	0.375	0.805	0.375	24	09J6844	8.39
● VERSAFIT-1/2-KT1-REFILL	0.5	0.540	0.250	20	09J6835	8.39
● VERSAFIT-3/4-KT1-REFILL	0.75	0.205	0.093	14	09J6843	8.63
● VERSAFIT-1-KT1-REFILL	...	1.055	0.500	10	09J4003	8.39

*3 pieces each of dia. sizes listed; †6 pieces each of dia. sizes listed

TUBING KITS AND REFILLS — ASSORTED COLORS

Mfg. Part No.	Size Dia. (in.)	Expanded I.D. (in.)	Recovered I.D. (in.)	No. of 6" Pcs.	Stock No.	Price per Kit
● VERSAFIT-KIT-NO.2-COLORS		Assorted		133	09J4010	73.95
● VERSAFIT-3/32-KT2-REFILL	0.094	0.110	0.046	35	09J6842	8.63
● VERSAFIT-1/8-KT2-REFILL	0.125	0.135	0.062	28	09J6839	8.63
● VERSAFIT-3/16-KT2-REFILL	0.188	0.135	0.062	21	09J6841	8.63
● VERSAFIT-1/4-KT2-REFILL	0.25	0.280	0.125	21	09J6838	8.63
● VERSAFIT-3/8-KT2-REFILL	0.375	0.805	0.375	14	09J6845	8.39
● VERSAFIT-1/2-KT2-REFILL	0.5	0.540	0.250	14	09J6836	8.63

(79960)

HEAT-SHRINK TUBING KITS • INSULATING TUBING

DWP-125 HEAT-SHRINKABLE TUBING KIT



Tyco Electronics

Just Added

- 3:1 Shrink ratio
- Min. shrink temperature: 80°C [176°F]
- Min. full recovery temperature: 125°C [257°F]
- Operating temperature: -40°C to 110°C

Adhesive bonds to a wide variety of plastics, rubber and metals including polyethylene, neoprene and steel. Sold in 4 ft lengths.

KIT

Mfg. Part No.	Description	Stock No.	Price Each
● DWP-125-KIT3	Dual Wall Adhesive 6in. strips	42M3162	65.46

TUBING

Mfg. Part No.	Inside Dia. Min. Expanded (mm)	Inside Dia. Max. Recovered (mm)	Recovered Wall Thickness Nom. (mm)	Stock No.	Price Each
● DWP-125-1-KIT3-REFILL	25.4	8.0	2.50	42M3163	9.89
● DWP-125-1/2-KIT3-REFILL	12.7	4.0	1.78	42M3164	9.89
● DWP-125-1/4-KIT3-REFILL	6.4	2.0	1.45	42M3165	9.89
● DWP-125-1/8-KIT3-REFILL	3.2	1.0	1.02	42M3166	9.89
● DWP-125-3/16-KIT3-REFILL	4.8	1.5	1.40	42M3167	9.89
● DWP-125-3/4-KIT3-REFILL	19.1	6.0	2.03	42M3168	9.89

(93123)

VOLTREX™ BRAND PVI SERIES PVC INSULATING TUBING

INSULTAB



VOLTREX™ brand



Superior high dielectric strength, abrasion resistance and environmental and UV stability. An excellent, all-purpose flexible tubing for electrical insulation, ground strap and chafing protection and bundling and protecting wire harnesses. Resistant to many chemicals, oils, acids and heat. Operating temperature range: -20°C to 105°C. Tensile strength: 2780 psi. Dielectric strength: 870 vpm. UL Subject 224 VW-1, CSA OFT: Size #24 through #1 UL rated for 300V. Size 5/16 through 2" UL rated for 600V, MIL-I-631 D Grade C OPL Approved. Color: black. Also available in clear, except type numbers with (*). Call NewarkOne. Made in the U.S.A. Sold in spool sizes indicated below.

Mfg. Part No.	AWG Size	Inside Diameter			Wall Thickness		Spool Size	Stock No.	Price per Spool
		Nom.	Max.	Min.	Nom.	±			
● PVI-S24-1100-BLK	24	0.022"	0.027"	0.020"	0.012"	0.002"	100'	03F3576	12.82
● PVI-S22-1100-BLK	22	0.027"	0.032"	0.025"	0.012"	0.002"	100'	03F3581	13.17
● PVI-S20-1100-BLK	20	0.034"	0.039"	0.032"	0.016"	0.003"	100'	03F3587	13.17
● PVI-S19-1100-BLK*	19	0.038"	0.044"	0.036"	0.016"	0.003"	100'	03F3709	13.17
● PVI-S18-1100-BLK	18	0.042"	0.049"	0.040"	0.016"	0.003"	100'	03F3592	13.54
● PVI-S17-1100-BLK	17	0.047"	0.055"	0.045"	0.016"	0.003"	100'	03F3704	13.54
● PVI-S16-1100-BLK	16	0.053"	0.061"	0.051"	0.016"	0.003"	100'	03F3597	13.54
● PVI-S15-1100-BLK	15	0.059"	0.066"	0.057"	0.016"	0.003"	100'	03F3699	13.54
● PVI-S14-1100-BLK	14	0.066"	0.072"	0.064"	0.016"	0.003"	100'	03F3602	13.54
● PVI-S13-1100-BLK	13	0.076"	0.080"	0.072"	0.016"	0.003"	100'	03F3694	13.83
● PVI-S12-1100-BLK	12	0.085"	0.089"	0.081"	0.016"	0.003"	100'	03F3607	14.21
● PVI-S11-1100-BLK	11	0.095"	0.101"	0.091"	0.016"	0.003"	100'	03F3688	16.40
● PVI-S10-1100-BLK	10	0.106"	0.112"	0.102"	0.016"	0.003"	100'	03F3612	16.02
● PVI-S09-1100-BLK	9	0.118"	0.124"	0.114"	0.020"	0.003"	100'	03F3683	16.40
● PVI-S08-1100-BLK	8	0.133"	0.141"	0.129"	0.020"	0.003"	100'	03F3617	16.74
● PVI-S07-1100-BLK	7	0.148"	0.158"	0.144"	0.020"	0.003"	100'	03F3678	17.12
● PVI-S06-1100-BLK	6	0.166"	0.178"	0.162"	0.020"	0.003"	100'	03F3622	17.12
● PVI-S05-1100-BLK	5	0.186"	0.198"	0.182"	0.020"	0.003"	100'	03F3673	17.41
● PVI-S04-1100-BLK	4	0.208"	0.224"	0.204"	0.020"	0.003"	100'	03F3627	17.79
● PVI-S03-1100-BLK	3	0.234"	0.249"	0.229"	0.020"	0.003"	100'	03F3759	18.13
● PVI-S02-1100-BLK	2	0.263"	0.278"	0.258"	0.020"	0.003"	100'	03F3632	19.33
● PVI-S01-1100-BLK*	1	0.294"	0.311"	0.289"	0.020"	0.003"	100'	03F3764	20.06
● PVI-020-1100-BLK	5/16"	0.313"	0.334"	0.313"	0.025"	0.003"	100'	03F3637	21.47
● PVI-S00-1100-BLK	0	0.330"	0.347"	0.325"	0.025"	0.003"	100'	03F3642	22.57
● PVI-024-1100-BLK	3/8"	0.375"	0.399"	0.375"	0.025"	0.003"	100'	03F3647	24.73
● PVI-028-1100-BLK	7/16"	0.438"	0.462"	0.438"	0.025"	0.003"	100'	03F3768	28.81
● PVI-032-1100-BLK	1/2"	0.500"	0.524"	0.500"	0.025"	0.003"	100'	03F3652	30.26
● PVI-040-1100-BLK*	5/8"	0.625"	0.655"	0.625"	0.030"	0.003"	100'	03F3657	37.78
● PVI-048-1050-BLK*	3/4"	0.750"	0.786"	0.750"	0.035"	0.005"	50'	03F3661	36.58
● PVI-064-1050-BLK	1"	1.000"	1.036"	1.000"	0.035"	0.005"	50'	03F3667	41.42
● PVI-128-1050-BLK	2"	2.000"	2.070"	2.000"	0.060"	0.010"	50'	03F3786	77.60

(9931)

VOLTREX™ BRAND TEFLON® INSULATING TUBING



Non-toxic, chemically inert tubing offers superior insulating and highly stable electrical properties. Features excellent electrical resistance and translucent clarity. Withstands wicking, moisture absorption, and contamination. Continuous operating temperature: -230°C to +260°C. UL 94V-0 flammability rating. TTI series is used for miniaturized and compact installations. TSI series is used where extra-dielectric or mechanical strength is needed. Made in the U.S.A. Sold in 100 spools.

AMS-3655 TTI SERIES THIN-WALL TEFLON® TUBING

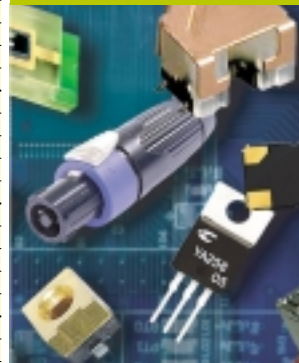
Mfg. Part No.	AWG Size	Inside Diameter			Wall Thickness		100' Spool	
		Nominal	Max.	Min.	Min.	Max.	Stock No.	Price per Spool
● TTI-S28-1100-NAT	28	0.015"	0.018"	0.013"	0.007"	0.011"	37N489	22.44
● TTI-S26-1100-NAT	26	0.018"	0.021"	0.016"	0.007"	0.011"	37N490	22.95
● TTI-S24-1100-NAT	24	0.023"	0.027"	0.020"	0.007"	0.013"	37N491	23.59
● TTI-S22-1100-NAT	22	0.028"	0.032"	0.026"	0.007"	0.013"	37N492	28.06
● TTI-S20-1100-NAT	20	0.035"	0.038"	0.032"	0.009"	0.015"	37N493	35.19
● TTI-S18-1100-NAT	18	0.043"	0.046"	0.040"	0.009"	0.015"	37N494	39.49
● TTI-S16-1100-NAT	16	0.055"	0.058"	0.051"	0.009"	0.015"	37N495	46.85
● TTI-S14-1100-NAT	14	0.068"	0.072"	0.064"	0.009"	0.015"	37N496	54.84
● TTI-S12-1100-NAT	12	0.085"	0.091"	0.081"	0.009"	0.015"	37N481	64.76
● TTI-S10-1100-NAT	10	0.106"	0.112"	0.102"	0.009"	0.015"	37N482	70.06
● TTI-S08-1100-NAT	8	0.134"	0.139"	0.129"	0.012"	0.018"	37N483	119.74
● TTI-S06-1100-NAT	6	0.168"	0.174"	0.162"	0.012"	0.018"	37N484	125.59
● TTI-S00-1100-NAT	0	0.334"	0.342"	0.325"	0.012"	0.018"	37N487	212.83

AMS-3653B TSI SERIES STANDARD WALL TEFLON® TUBING

● TSI-S24-1100-NAT	24	0.023"	0.026"	0.020"	0.010"	0.014"	37N1580	32.18
● TSI-S22-1100-NAT	22	0.028"	0.032"	0.026"	0.010"	0.014"	37N1581	37.80
● TSI-S20-1100-NAT	20	0.035"	0.038"	0.032"	0.013"	0.019"	37N1582	42.96
● TSI-S18-1100-NAT	18	0.043"	0.046"	0.040"	0.013"	0.019"	37N1584	53.38
● TSI-S16-1100-NAT	16	0.055"	0.058"	0.051"	0.013"	0.019"	37N1586	64.40
● TSI-S14-1100-NAT	14	0.068"	0.072"	0.064"	0.013"	0.019"	37N1588	74.63
● TSI-S12-1100-NAT	12	0.065"	0.091"	0.081"	0.013"	0.019"	37N1590	86.83
● TSI-S10-1100-NAT	10	0.106"	0.112"	0.102"	0.013"	0.019"	37N1592	114.53
● TSI-S08-1100-NAT	8	0.134"	0.139"	0.129"	0.016"	0.024"	37N1594	126.78
● TSI-S07-1100-NAT	7	0.148"	0.155"	0.144"	0.016"	0.024"	37N1595	140.58
● TSI-S06-1100-NAT	6	0.168"	0.174"	0.162"	0.016"	0.024"	37N1596	145.47
● TSI-S05-1100-NAT	5	0.189"	0.195"	0.182"	0.016"	0.024"	37N1597	181.71
● TSI-S04-1100-NAT	4	0.211"	0.218"	0.204"	0.016"	0.024"	37N1598	181.71

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Best products, great value.



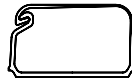
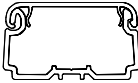
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RACEWAYS

PAN-WAY® TYPES LDPH AND LD — HINGED COVER SURFACE RACEWAY



LDPH

LDPH Profile

LD

LD Profile

- Hinged cover design allows cable to be laid-in instead of pulled through
- Factory-applied adhesive backing speeds installation
- Terminates using surface mount outlet box solutions or Mini-Com® surface mount boxes
- FT4 rated

Pan-Way® Types LDPH and LD single-channel, surface raceway is designed to route, protect and conceal data, voice and video cabling. Type LDPH tamper-resistant, power-rated raceway features a two-piece hinged cover design and is UL listed, CSA certified to 600V, meets UL5A and CSA C22.2 No. 62.1-03 standards. Ideal for routing power and fiber optic cabling. Supplied with pre-punched mounting holes. Type LD low-voltage raceway features a one-piece hinged cover design and is suited for low-voltage cabling (under 48V). Both raceway types can be used with the PAN-NET™ networking cabling system for Category 5 UTP, ScTP, coax and fiber-optic cabling applications. Color: electric ivory. Other colors and sizes available; go online or call. Order raceway fittings separately; go online or call. Priced per foot. Sold in packages of four 6' lengths.

TYPE LDPH RACEWAY — ELECTRIC IVORY

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
● LDPH10E16N-A	0.86	1.51	45K1434	5.94

TYPE LD RACEWAY — ELECTRIC IVORY

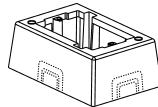
● LD3E16N-A	0.46	0.77	19K4338	3.29
● LD5E16N-A	0.6	1.01	78H3415	3.65

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JUNCTION BOXES FOR TYPES LDPH, LD AND T-45 RACEWAY



Cover knockouts fit raceway. User supplies connector and wall plate. Color: electrical ivory. Also available in gray, off-white, and white; go online or call.



Mfg. Part No.	Description	Stock No.	Price 1-4
● JB1E1-A	Low Voltage, Single-Gang, 1-Piece Box	83F7009	6.44
● JBP2E1	Power-Rated, Double-Gang, 2-Piece Box	83F7006	12.00
● JBP1E1	Power-Rated, Single-Gang, 2-Piece Box	83F7005	9.01

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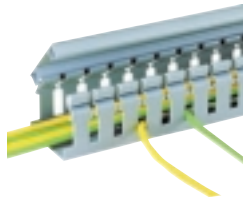
PANDUCT® TYPE H — HINGED COVER SLOTTED WIRING DUCT



Just Added



- Unique hinged cover design reduces time spent on maintenance or reinstallation of wire
- Slotted duct and hinged cover come attached and packaged together
- Mounting holes provided
- UL recognized use temperature: 50°C (122°F)
- Conforms with NFPA 79-2002 section 14.3.1 requirement for flame-retardant material



Panduct® Type H dual-sided, hinged cover, slotted wiring duct is perfect to route and protect wire and cable in electrical control panels and data communications applications. The unique push-on hinged cover is simple to install and remove, and once installed can be opened from either side of the duct making access to wiring fast and easy. Material: lead-free PVC. Color: light gray. Slot width: 0.31". Flammability rating: UL94V-0. UL recognized, CSA certified, CE compliant. Duct priced per foot. Sold in packages of four 6' lengths or eight 3' lengths for a total of 24'.

6 FT. LENGTHS

Mfg. Part No.	Nominal W x H (in.)	Actual W x H (in.)	Stock No.	Price per Foot
● HC1.5X2LG6M	1.5 x 2	1.75 x 1.98	42M0687	9.68
● HC1.5X3LG6M	1.5 x 3	1.75 x 3.06	42M0689	11.60
● HC2X2LG6M	2 x 2	2.17 x 1.98	42M0691	9.95
● HC2X3LG6M	2 x 3	2.17 x 3.06	42M0693	12.29
● HC2X4LG6M	2 x 4	2.17 x 4.10	42M0695	14.36
● HC3X3LG6M	3 x 3	3.25 x 3.06	42M0697	15.07
● HC3X4LG6M	3 x 4	3.25 x 4.10	42M0699	17.85
● HC4X4LG6M	4 x 4	4.25 x 4.10	42M0701	19.69

3 FT. LENGTHS

● HC1.5X2LG3M	1.5 x 2	1.75 x 1.98	42M0686	11.85
● HC1.5X3LG3M	1.5 x 3	1.75 x 3.06	42M0688	13.78
● HC2X2LG3M	2 x 2	2.17 x 1.98	42M0690	12.13
● HC2X3LG3M	2 x 3	2.17 x 3.06	42M0692	14.47

➔ CONTINUED ➔

PANDUCT® TYPE H — HINGED COVER SLOTTED WIRING DUCT (CONT.)

3 FT. LENGTHS

Mfg. Part No.	Nominal W x H (in.)	Actual W x H (in.)	Stock No.	Price per Foot
● HC2X4LG3M	2 x 4	2.17 x 4.10	42M0694	16.54
● HC3X3LG3M	3 x 3	3.25 x 3.06	42M0696	17.25
● HC3X4LG3M	3 x 4	3.25 x 4.10	42M0698	20.03
● HC4X4LG3M	4 x 4	4.25 x 4.10	42M0700	21.87

(91203)

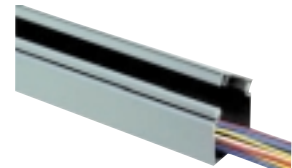
PANDUCT® TYPE HS — HINGED COVER SOLID WALL RACEWAY



Just Added



- Unique hinged cover design reduces time spent on maintenance or reinstallation of wire
- Solid wall duct and hinged cover come attached and packaged together
- Supplied without mounting holes
- UL recognized use temperature: 50°C (122°F)



Panduct® Type HS dual-sided, hinged cover, solid wall surface raceway is ideal to route, protect and conceal data, voice, video, fiber-optic and power cabling. The unique push-on hinged cover is simple to install and remove, and once installed can be opened from either side of the duct making access to wiring fast and easy. Material: lead-free PVC. Color: light gray. Flammability rating of UL94V-0. UL recognized, CSA certified, CE compliant. Duct priced per foot. Sold in packages of four 6' lengths or eight 3' lengths for a total of 24'.

6 FT. LENGTHS

Mfg. Part No.	Nominal W x H (in.)	Actual W x H (in.)	Stock No.	Price per Foot
● HSC1.5X2LG3MNM	1.5 x 2	1.75 x 1.98	42M0702	11.88
● HSC1.5X3LG3MNM	1.5 x 3	1.75 x 3.06	42M0704	13.87
● HSC2X2LG3MNM	2 x 2	2.17 x 1.98	42M0706	11.93
● HSC2X3LG3MNM	2 x 3	2.17 x 3.06	42M0708	14.13
● HSC2X4LG3MNM	2 x 4	2.17 x 4.10	42M0710	15.64
● HSC3X3LG3MNM	3 x 3	3.25 x 3.06	42M0712	16.74
● HSC3X4LG3MNM	3 x 4	3.25 x 4.10	42M0714	19.10
● HSC4X4LG3MNM	4 x 4	4.25 x 4.10	42M0716	21.28

3 FT. LENGTHS

● HSC1.5X2LG6MNM	1.5 x 2	1.75 x 1.98	42M0703	9.64
● HSC1.5X3LG6MNM	1.5 x 3	1.75 x 3.06	42M0705	11.62
● HSC2X2LG6MNM	2 x 2	2.17 x 1.98	42M0707	9.68
● HSC2X3LG6MNM	2 x 3	2.17 x 3.06	42M0709	11.88
● HSC2X4LG6MNM	2 x 4	2.17 x 4.10	42M0711	13.40
● HSC3X3LG6MNM	3 x 3	3.25 x 3.06	42M0713	14.50
● HSC3X4LG6MNM	3 x 4	3.25 x 4.10	42M0715	16.85
● HSC4X4LG6MNM	4 x 4	4.25 x 4.10	42M0717	19.03

(91209)

NONSLIP COVERS FOR PANDUCT® TYPES "F" AND "G" DUCT



Covers Panduct® wiring duct to protect wires, improve aesthetics and provides greater wire capacity. The nonslip design snaps onto the duct to conceal the wiring. Easy cover removal makes changes to wiring quick and simple. Constructed of lead-free PVC. Colors: light gray and white. Additional colors and sizes available; go online or call Newark. Priced per foot. Sold in packages of four 6' lengths.

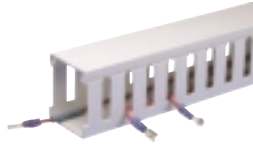
Mfg. Part No.	For Duct Width (in.)	Color	Stock No.	Price per Foot
● C.5LG6N	0.5	Light Gray	19K4316	1.15
● C.75LG6N	0.75	Light Gray	19K4317	1.28
● C1LG6N	1	Light Gray	19K4320	1.28
● C1WH6N	1	White	19K4321	1.28
● C1.5LG6N	1.5	Light Gray	19K4318	1.63
● C1.5WH6N	1.5	White	19K4319	1.63
● C2LG6N	2	Light Gray	19K4322	1.97
● C2WH6N	2	White	19K4323	1.97
● C3LG6N	3	Light Gray	19K4324	2.98
● C3WH6N	3	White	19K4325	2.95
● C4LG6N	4	Light gray	19K4326	3.61

(6491)

RACEWAYS

**PANDUCT® TYPE G —
WIDE SLOTTED WIRING
DUCT**

- Wide-finger design provides greater rigidity and larger slot width
- Panduit® exclusive rounded edges will not cut hands or abrade wiring insulation
- Double scoreline saves installation time and ultimately lowers installed cost
- Nonslip cover, *ordered separately*, will not slide when installed on duct base
- Flush cover design holds more wires than traditional duct designs
- Specially formulated lead-free PVC eliminates health concerns associated with PVC that contains lead
- Restricted slot design reduces installation time, providing low installation cost to the end user

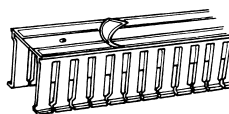


Panduct® Type G wide slotted wiring duct features smooth, rounded edges to protect wires and installer's hands from abrasion. Flammability rating of 94V-0. Color: light gray. *Order nonslip duct covers separately on page 1100.* UL recognized, CSA certified, CE compliant. **Duct priced per foot. Sold in packages of four 6' lengths.** Additional sizes and a full line of accessories are available; *go online or call.*

For Newark's full line of NEMA enclosures, see the **Enclosures, Boxes and Racks** section.

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
				1-24
● G.5X.5LG6N	0.5	0.5	19K4185	3.98
● G.75X.75LG6N	0.75	0.75	19K4186	4.73
● G.75X1LG6N	0.75	1	19K4188	5.04
● G.75X1.5LG6N	0.75	1.5	19K4187	6.21
● G.75X2LG6N	0.75	2	19K4189	7.15
● G1X1LG6N	1	1	19K4196	5.00
● G1X1.5LG6N	1	1.5	19K4195	6.59
● G1X2LG6N	1	2	19K4197	6.82
● G1X3LG6N	1	3	19K4198	8.45
● G1X4LG6N	1	4	19K4199	10.40
● G1.5X1.5LG6N	1.5	1.5	19K4190	6.88
● G1.5X1LG6N	1.5	1	19K4191	5.77
● G1.5X2LG6N	1.5	2	19K4192	7.57
● G1.5X3LG6N	1.5	3	19K4193	9.35
● G1.5X4LG6N	1.5	4	19K4194	10.10
● G2X1.5LG6N	2	1.5	19K4200	7.32
● G2X2LG6N	2	2	19K4201	7.34
● G2X3LG6N	2	3	19K4202	9.60
● G2X4LG6N	2	4	19K4203	11.56
● G3X1LG6N	3	1	19K4204	6.88
● G3X2LG6N	3	2	19K4205	9.14
● G3X3LG6N	3	3	19K4206	11.12
● G3X4LG6N	3	4	19K4207	13.74
● G4X2LG6N	4	2	19K4208	10.68
● G4X3LG6N	4	3	19K4209	12.36
● G4X4LG6N	4	4	19K4210	14.88
● G4X5LG6N	4	5	19K4211	21.18

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**ACRYLIC ADHESIVE
FOAM TAPE**

2-sided polyethylene foam tape for mounting duct to control panels without screws. Reduces transmission of vibration, joins uneven surfaces, cushions gaskets, and attaches a variety of materials. Recommended for high temperature (180°F) and UV light applications. UL recognized. 72 yard length.

Mfg. Part No.	Width	Stock No.	Price Each
● P32W2A2-50-72	0.50"	89F1384	81.42
● P32W2A2-75-72	0.75"	89F1385	108.39
● P32W2A2-100-72	1.00"	44F1478	133.90

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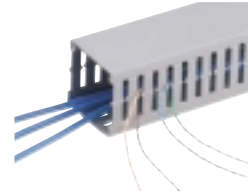
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(94635)

**PANDUCT® MFG. PART
NO. F NARROW SLOTTED
WIRING DUCT**

- Narrow-finger design provides proper spacing for use with high-density terminal blocks
- Panduit® exclusive rounded edges will not cut hands or abrade wiring insulation
- Double scoreline saves installation time, and ultimately lowers installed cost
- Nonslip cover, *ordered separately*, will not slide when installed on duct base
- Flush cover design holds more wires than traditional duct designs
- Specially formulated lead-free PVC eliminates health concerns associated with PVC that contains lead
- Restricted slot design reduces installation time, providing low installation cost to the end user

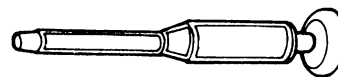


Mfg. part no. F wiring duct features smooth rounded edges to protect wires and installer's hands from abrasion. Narrow-finger design and more slots allow greater wiring flexibility for newer, compact terminal blocks. Ideal for use in control panels and communications closets. Flammability rating of 94V-0. Color: light gray. *Order nonslip covers separately on page 1100.* UL recognized, CSA certified, CE compliant. **Duct priced per foot. Sold in packages of four 6' lengths.** Additional sizes and a full line of accessories are available; *go online or call Newark.*

For Newark's full line of NEMA enclosures, see the **Enclosures, Boxes and Racks** section.

Mfg. Part No.	Width (in.)	Height (in.)	Stock No.	Price per Foot
				1-24
● F.5X.5LG6N	0.5	0.5	19K4253	3.61
● F.5X1LG6N	0.5	1	19K4254	4.30
● F.75X.75LG6N	0.75	0.75	19K4255	4.30
● F.75X1.5LG6N	0.75	1.5	19K4256	5.65
● F1X1LG6N	1	1	19K4262	4.55
● F1X1.5LG6N	1.5	1	19K4261	5.99
● F1X2LG6N	1	2	19K4263	6.20
● F1X3LG6N	1	3	19K4264	7.68
● F1.5X1LG6N	1.5	1	19K4258	5.25
● F1.5X1.5LG6N	1.5	1.5	19K4257	6.26
● F1.5X2LG6N	1.5	2	19K4259	6.83
● F1.5X3LG6N	1.5	3	19K4260	8.50
● F2X1.5LG6N	2	1.5	19K4265	6.65
● F2X2LG6N	2	2	19K4266	6.67
● F2X3LG6N	2	3	19K4267	8.73
● F2X4LG6N	2	4	19K4268	10.51
● F3X2LG6N	3	2	19K4269	8.31
● F3X3LG6N	3	3	19K4270	10.11
● F3X4LG6N	3	4	19K4271	11.56
● F4X3LG6N	4	3	19K4272	11.23
● F4X4LG6N	4	4	19K4273	13.53

(6492)

**NYLON RIVETS AND
INSTALLATION TOOL**

TNR



NR1-C

Mfg. part no. NR1-C nylon rivets are easily installed in all ducts with **Mfg. part no. TNR** tool. Installation tool constructed of lightweight aluminum and acetal. **Rivets sold in packages of 100.**

Mfg. Part No.	Description	Stock No.	Price per Pkg.
● NR1-C	Rivets	81F4601	16.88
TNR	Rivet Tool	81F4606	201.94

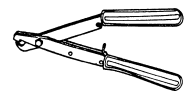
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DUCT INSTALLATION TOOL

DCT



DFCT



DNT-100

Mfg. part no. DNT-100 notches **mfg. part no. F** and **G** wiring duct down to base and scoreline for "T" and corner junctions. Spring-action handle allows one-hand operation. **Mfg. part no. DCT** is a duct cutting tool for all types of wire duct and covers. **Mfg. part no. DFCT** is a duct finger cutting tool for removing duct fingers from existing installations. All steel construction.

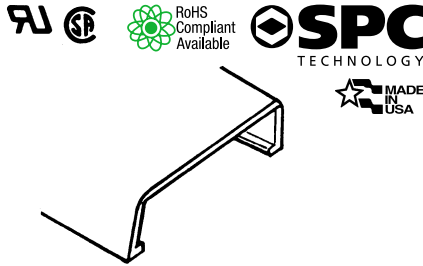
Mfg. Part No.	Description	Stock No.	Price Each
DNT-100	Duct Notching Tool	81F4605	156.19
DCT	Duct Cutting Tool	92F483	128.05
DFCT	Duct Finger Cutting Tool	14C8099	105.95

(13260)

RACEWAYS • WIRE & CABLE ACCESSORIES

VOLTREX™ BRAND
UNIVERSAL WIRING
DUCT COVERS

Designed for slotted, high-density slotted, and solid wiring ducts, ordered separately on this page. Versatile snap-on design with nonslip liner. Made of high-impact PVC material. Color: gray. Flammability rated UL94V-0, UL recognized, CSA certified. Made in the U.S.A. Sold in packages of 24' in four 6' lengths.



Mfg. Part No.	Duct Width	Stock No.	Price per Pkg.
			1-9
● WDCT-02-72	0.50"	51N2365	16.94
● WDCT-03-72	0.75"	51N2366	16.94
● WDCT-04-72	1.00"	51N2367	19.04
● WDCT-06-72	1.50"	51N2368	29.05
● WDCT-08-72	2.00"	51N2369	29.30
● WDCT-12-72	3.00"	51N2370	37.80
● WDCT-16-72	4.00"	51N2371	46.31

(31982)

VOLTREX™ BRAND
WIRING DUCTS

Slotted

High-Density Slotted

Solid

SLOTTED WIRING DUCTS

Slotted wall design enables numerous wire breakouts. Double-scored breakaway duct fingers make larger breakouts easy. Restricted opening design prevents unintended removal of wires. High-impact PVC material. Color: gray. Flammability rated UL94V-0, UL recognized, CSA certified. Made in the U.S.A. Order duct covers separately on this page. Sold in packages of 24' in four 6' lengths.

Mfg. Part No.	W x H	Stock No.	Price per Pkg.
			1-9
● WDLT-0404-72	1 x 1"	51N2344	54.97
● WDLT-0406-72	1 x 1.5"	51N2345	73.29
● WDLT-0408-72	1 x 2"	51N2346	76.22
● WDLT-0412-72	1 x 3"	51N2347	103.24
● WDLT-0604-72	1.5 x 1"	51N2349	62.18
● WDLT-0606-72	1.5 x 1.5"	51N2350	79.73
● WDLT-0608-72	1.5 x 2"	51N2351	76.42
● WDLT-0612-72	1.5 x 3"	51N2352	131.15
● WDLT-0804-72	2 x 1"	51N2354	75.44
● WDLT-0808-72	2 x 2"	51N2355	87.91
● WDLT-0812-72	2 x 3"	51N2356	145.15
● WDLT-1204-72	3 x 1"	51N2358	74.60
● WDLT-1208-72	3 x 2"	51N2359	107.04
● WDLT-1212-72	3 x 3"	51N2360	135.55
● WDLT-1216-72	3 x 4"	51N2361	171.03
● WDLT-1608-72	4 x 2"	51N2362	120.35
● WDLT-1612-72	4 x 3"	51N2363	155.57
● WDLT-1616-72	4 x 4"	51N2364	186.50

HIGH-DENSITY SLOTTED WIRING DUCTS

High-density slotted wall ducts come with narrow fingers, equaling a 2-to-1 ratio compared to standard slotted wiring ducts. The narrow fingers reduce fanning of the wires to the terminal blocks for a neater appearance and to accommodate more compact designs and components in control panels, communications closets, and other applications. Made with a versatile mounting hole pattern which lines up with DIN 35 rail; the mounting hole rows are also consistent with standard slotted wiring duct, so the two ducts can easily be interchanged. Double-scored breakaway duct fingers make larger breakouts easy. Restricted opening design prevents unintended removal of wires. Color: gray. Flammability rated UL94V-0, UL recognized, CSA certified. Made in the U.S.A. Order duct covers separately on this page. Sold in packages of 24' in four 6' lengths.

Mfg. Part No.	W x H	Stock No.	Price per Pkg.
			1-9
● DHD-1X1	1 x 1"	97N9468	67.47
● DHD-1X1.5	1 x 1.5"	97N9469	79.15
● DHD-1X2	1 x 2"	97N9470	93.02
● DHD-1X3	1 x 3"	97N9471	105.53
● DHD-1.5X1	1.5 x 1"	97N9473	66.41
● DHD-1.5X1.5	1.5 x 1.5"	97N9474	92.00
● DHD-1.5X2	1.5 x 2"	97N9475	93.54
● DHD-1.5X3	1.5 x 3"	97N9476	141.92

➔ CONTINUED ➔

VOLTREX™ BRAND WIRING DUCTS (CONT.)

HIGH-DENSITY SLOTTED WIRING DUCTS

Mfg. Part No.	W x H	Stock No.	Price per Pkg.
			1-9
● DHD-2X2	2 x 2"	97N9479	95.48
● DHD-2X3	2 x 3"	97N9480	157.19
● DHD-3X3	3 x 3"	97N9484	155.57
● DHD-4X2	4 x 2"	97N9486	131.00

SOLID WALL WIRING DUCTS

Solid wall design for straight wires runs where no breakouts are required. Color: gray. Flammability rated UL94V-0, UL recognized, CSA certified. Made in the U.S.A. Order duct covers separately on this page. Sold in packages of 24' in four 6' lengths.

Mfg. Part No.	W x H	Stock No.	Price per Pkg.
			1-9
(6374) ● WDWT-0303-72	0.75 x 0.75"	51N2343	50.95

MARKING PENS



These quality markers provide fast drying, permanent, legible identification on nylon parts. Use on applications where ordinary marking pens will not work (i.e. write-on labels and tags).



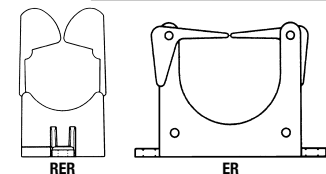
Mfg. Part No.	Description	Stock No.	Price Each
● PX-0	Black Ink, Regular Tip	78FX626	11.90
● PX-2	Red Ink, Regular Tip	78FX627	11.77
● PX-10	White Ink, Regular Tip	44F1479	18.20
● PFX-0	Black Ink, Fine Tip	46F1525	12.88
● PFX-2	Red Ink, Fine Tip	46F1526	12.28

(6427)

HARNESS BOARD ACCESSORIES



- For Fast Routing and Forming of Wires in Harness Fabrication
- Holds Wires Off the Harness Board at a Uniform Height
- Easy Application of Cable Ties



MFG PART NO. RER — REPLACEABLE ELASTIC RETAINERS

As wires are individually inserted, the bundle is formed. When harness is complete, it can be snapped out. Three sizes available for 1/2", 3/4", and 1 1/4" bundles. Mounts with #6 screws. Constructed from nylon. Colors: black and white. Sold in packages of 10.

Mfg. Part No.	Max. Bundle Dia.	Stock No.	Price per Pkg.
RER.5-S6-X	1/2" (12.7mm)	94F3146	75.75
RER.75-S6-X	3/4" (19.0mm)	70B5888	81.45
RER1.25-S6-X	1 1/4" (31.8mm)	94F3147	90.10

MFG PART NO. ER — ELASTIC RETAINERS

Forms wire bundles as wires are inserted, completed bundles then snap out. Two sizes available for 1/2" and 1 1/4" bundles. Mounts with #4 screws. Constructed from nylon and ABS. Color: black. Sold in packages of 10.

Mfg. Part No.	Max. Bundle Dia.	Stock No.	Price per Pkg.
ER.5-E4-X	1/2" (12.7mm)	01C0809	170.91
ER1.25-E4-X	1 1/4" (31.8mm)	88F3055	18.41

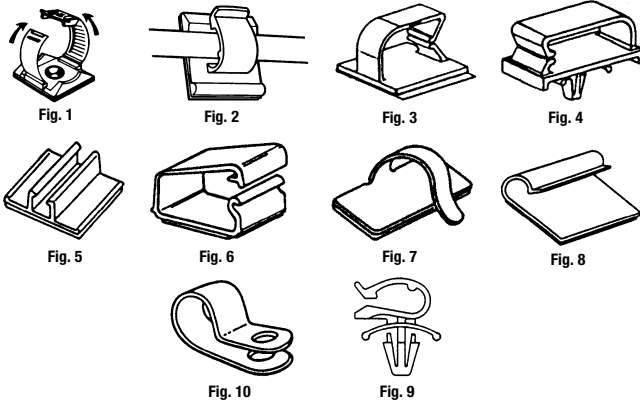
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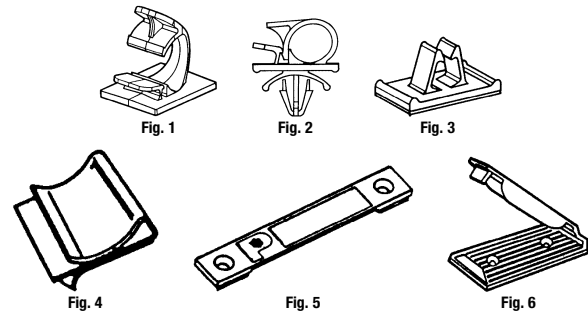
WIRE & CABLE ACCESSORIES

CABLE MOUNTS AND
WIRING ACCESSORIES FOR
USE WITHOUT CABLE TIES

- Mfg. part no. ARC.68 Adjustable Releasable Clamp Provides a Fast, Convenient Method of Securing Bundles
- Mfg. part no. ACC Cord Clip Easily Snaps Bundles Into or Out of the Clips; Available in 3 Sizes to Hold Cords, Tubing, Cable or Wire Bundles
- Mfg. part nos. BEC and BECP Offer Beveled Entry for Easy Snapping; Available in Adhesive-Backed and Pushback Styles
- Mfg. part no. AMC Holds a Single Cable; Can Be Mounted on Any Flat, Smooth Surface
- Mfg. part no. LC Latching Clip Retains and Supports Wire; Offers a Quickly-Installed Mount with a Locked Cover for Withstanding Vibration
- Mfg. part no. MACC Metal Adhesive Cord Clip can be Opened and Closed without Damage to the Clip
- Mfg. part no. AJC Low-Profile "J" Clips Retain Cords, Wires or Tubing; Flexible Design for Easy Insertion but Secure Performance
- Mfg. part no. PMCC Push-Mount Cord Clip Snaps Easily into Pre-Drilled Hole in Panels up to .105" Thick; Integral Mounting Device and Winged Design Holds Mount in Place
- Mfg. part no. CCS Fixed Diameter Cable Clamps are Constructed of Durable Nylon
- Mfg. part no. CCH Clamps are Heavy-Duty Nylon

UL recognized. Sold in package quantities indicated in table below.

Mfg. Part No.	Fig.	Bundle Diameter	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
• ARC.68-A-Q14	1	0.68"	1.00 x 1.00"	Adhesive-Backed	25	89F2515	46.13
• ARC.68-A-C14	1	0.68"	1.00 x 1.00"	Adhesive-Backed	100	76F869	74.45
• ACC19-A-C	2	0.19"	0.75 x 0.62"	Adhesive-Backed	100	94F1495	52.07
• ACC19-A-M	2	0.19"	0.75 x 0.62"	Adhesive-Backed	1000	89F1911	307.22
• ACC38-A-C	2	0.38"	1.00 x 1.00"	Adhesive-Backed	100	76F868	61.09
• ACC38-A-M	2	0.38"	1.00 x 1.00"	Adhesive-Backed	1000	89F1912	339.78
• ACC62-A-C	2	0.62"	1.12 x 1.25"	Adhesive-Backed	100	94F5618	83.26
• ACC62-A-D	2	0.62"	1.12 x 1.25"	Adhesive-Backed	500	84F1968	242.57
• BEC38-A-L	3	0.375 x 1.00"	1.25 x 1.50"	Adhesive-Backed	50	84F1961	62.58
• BEC62-A-L	3	0.625 x 1.00"	1.25 x 1.50"	Adhesive-Backed	50	96F9950	86.82
• BEC75-A-L	3	0.750 x 1.00"	1.50 x 1.50"	Adhesive-Backed	50	84F1962	95.08
• BEC38-A-T	3	0.375 x 1.00"	1.25 x 1.50"	Adhesive-Backed	200	84F1969	113.74
• BEC62-A-T	3	0.625 x 1.00"	1.25 x 1.50"	Adhesive-Backed	200	96F9951	164.50
• BEC75-A-T	3	0.750 x 1.00"	1.50 x 1.50"	Adhesive-Backed	200	84F1970	190.50
• BECP75H25-L	4*	0.750 x 1.00"	0.75 x 1.50"	Push (1/4" Hole)	50	84F1964	73.22
• AMC25-AT-C10	5	0.28"	1.00 x 0.81"	Adhesive-Backed	100	84F1434	26.90
• LC3-A-C8	6	0.20 Sq. inch	0.75 x 0.75"	Adhesive-Backed	100	84F1435	34.74
• LC5-A-C8	6	0.36 Sq. inch	1.00 x 1.00"	Adhesive-Backed	100	94F3099	44.66
• LC10-A-L8	6	0.93 Sq. inch	1.50 x 1.00"	Adhesive-Backed	50	94F3098	40.29
• MACC25-A-C	7	0.25"	0.53 x 0.79"	Adhesive-Backed	100	84F1436	53.32
• MACC62-A-C	7	0.62"	0.75 x 1.18"	Adhesive-Backed	100	84F1437	86.17
• AJC12-A-C	8	0.12"	1.00 x 0.86"	Adhesive-Backed	100	89F2516	25.45
• AJC19-A-C	8	0.19"	1.25 x 0.89"	Adhesive-Backed	100	84F1438	26.29
• AJC25-A-C	8	0.25"	1.50 x 0.92"	Adhesive-Backed	100	94F1496	30.51
• AJC31-A-C	8	0.31"	1.75 x 1.23"	Adhesive-Backed	100	94F5587	41.73
• AJC38-A-C	8	0.38"	2.00 x 1.28"	Adhesive-Backed	100	94F2751	49.81
• PMCC38H25-C	9	0.38"	0.38 x 0.50"	Push (1/4" Hole)	100	84F1408	48.48
• CCS12-S8-C	10	0.12"	0.38" Wide	#8 Screw	100	89F4459	10.34
• CCS19-S8-C	10	0.19"	0.38" Wide	#8 Screw	100	84F1414	10.40
• CCH25-S10-C	10	0.25"	0.50" Wide	#10 Screw	100	89F4460	14.22
• CCH38-S10-C	10	0.38"	0.50" Wide	#10 Screw	100	84F1415	16.03
• CCH50-S10-C	10	0.50"	0.50" Wide	#10 Screw	100	89F4461	16.39
• CCH75-S10-C	10	0.75"	0.50" Wide	#10 Screw	100	84F1416	22.44
• CCS12-S8-M	10	0.12"	0.38" Wide	#8 Screw	1000	89F1905	53.76
• CCS19-S8-M	10	0.19"	0.38" Wide	#8 Screw	1000	84F1430	54.15
• CCH25-S10-M	10	0.25"	0.50" Wide	#10 Screw	1000	89F1906	74.43

* For panel thickness 0.09" max.
(6423)CABLE MOUNTS AND
WIRING ACCESSORIES FOR
USE WITHOUT CABLE TIES

Mfg. part no. LWC-A adhesive-backed mounts feature releasable latch, large mounting base for high bonding strength. Mfg. part no. LWC-H25 push-in mounts snap into 0.250" hole. Top-loading mfg. part no. VCC vertical cord clip features funnel-entry design. Mfg. part nos. FCC and FCM clips accommodate any width flat cable for a maximum stack height of 0.17". Mfg. part no. LPFCM low-profile mount offers cable containment and identification for stack heights up to 0.105". Sold in package quantities indicated below.

Mfg. Part No.	Fig.	Bundle Dia.	W x L	Mounting	Pkg. of	Stock No.	Price per Pkg.
• LWC19-A-C	1	0.19"	0.61 x 0.85"	Adhesive-Backed	100	91F7316	51.09
• LWC25-A-C	1	0.25"	0.88 x 1.00"	Adhesive-Backed	100	95F5101	58.01
• LWC38-A-C	1	0.38"	1.00 x 1.00"	Adhesive-Backed	100	95F5103	63.45
• ALCC-3	1	0.38"	1.00 x 1.00"	Adhesive-Backed	500	50N6925	32.69
• LWC50-A-L	1	0.50"	1.00 x 1.28"	Adhesive-Backed	50	95F5105	49.45
• LWC50-A-T	1	0.50"	1.00 x 1.28"	Adhesive-Backed	200	95F5106	120.31
• LWC75-A-L	1	0.75"	1.23 x 1.48"	Adhesive-Backed	50	91F7317	126.22
• LWC100-A-L	1	1.00"	1.98 x 2.22"	Adhesive-Backed	50	91F7318	127.26
• LWC19-H25-C	2	0.187"	0.50 x 0.86"	Push (1/4" Hole)	100	91F7319	41.04
• LWC25-H25-C	2	0.25"	0.50 x 0.86"	Push (1/4" Hole)	100	91F7320	48.00
• LWC38-H25-C	2	0.38"	0.58 x 0.94"	Push (1/4" Hole)	100	91F7321	53.13
• LWC50-H25-L	2	0.50"	0.76 x 1.25"	Push (1/4" Hole)	50	91F7322	26.22
• VCC25-A-C	3	0.25"	0.50 x 1.00"	Adhesive-Backed	100	95F5111	48.61

FLAT CABLE MOUNTS

• FCC5-A-C8	4	Any Width	0.56 x 1.00"	Adhesive-Backed	100	89F2517	36.55
• FCC5-A-D8	4	Any Width	0.56 x 1.00"	Adhesive-Backed	500	89F1913	119.31
• FCC-A-C8	4	Any Width	1.00 x 1.09"	Adhesive-Backed	100	81F4613	44.23
• FCC-A-D8	4	Any Width	1.00 x 1.09"	Adhesive-Backed	500	89F1914	144.39
• LPFCM14-A-C14	5	1.44" Wide	0.50 x 2.56"	Adhesive-Backed	100	84F1427	87.43
• LPFCM22-A-C14	5	2.19" Wide	0.50 x 3.31"	Adhesive-Backed	100	84F1428	89.95
• LPFCM34-A-C14	5	3.44" Wide	0.50 x 4.56"	Adhesive-Backed	100	84F1429	93.21
• FCM1-A-C14	6	1.00" Wide	1.00 x 1.21"	Adhesive-Backed	100	81F4611	124.50
• FCM1-A-T14	6	1.00" Wide	1.00 x 1.21"	Adhesive-Backed	200	89F1915	137.54
• FCM1.2-A-C14	6	1.25" Wide	1.00 x 1.36"	Adhesive-Backed	100	84F1417	147.48
• FCM2-A-C14	6	2.00" Wide	1.00 x 2.23"	Adhesive-Backed	100	78F628	138.52
• FCM2-A-T14	6	2.00" Wide	1.00 x 2.23"	Adhesive-Backed	200	89F1916	189.82
• FCM3.25-A-L14	6	3.25" Wide	1.00 x 3.38"	Adhesive-Backed	50	89F4458	93.96
• FCM3.25-A-T14	6	3.25" Wide	1.00 x 3.38"	Adhesive-Backed	200	89F1904	241.77

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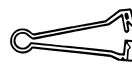
FLAT CABLE MOUNTS
AND CLIPS

Fig. 1

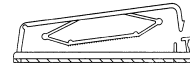


Fig. 3

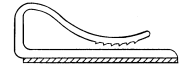


Fig. 2

For securing single or multiple layers of flat wire and cable. Mfg. part nos. CFCC, FCC, and 8408 use aggressive foam tape adhesive for securement. Mfg. part no. LFCC simply holds multiple flat cables together. Mfg. part no. CFCC is made from Noryl, color: white; mfg. part no. FCC from PVC, color: black; and mfg. part nos. 8408 and LFCC from nylon, color: natural. Sold in packages of 100.

Mfg. Part No.	Fig.	Clamp Width	Max. Cable Width	Style	Stock No.	Price per Pkg. 1-4
• LFCC-5	1	3"	2.5"	Loop Clip	81N2610	25.16
• CFCC-2	2	1.06"	0.88"	Adhesive C Clip	23N3682	39.34
• CFCC-1	2	0.56"	0.40"	Adhesive C Clip	23N3681	31.54
• 8408-0412	3	1.75"	1.20"	Adhesive Clip	16N975	108.83
• 8408-0413	3	3"	2.5"	Adhesive Clip	16N976	136.03

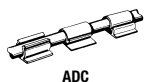
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CABLE MANAGEMENT

● Indicates RoHS Compliant

WIRE & CABLE ACCESSORIES • WIRE & CABLE TIES

VOLTREX™ ADHESIVE-BACKED CABLE CLIPS/CLAMPS



For securing cables, cords, tubing, hose, etc. Constructed of durable PVC. **Mfg. part no. AUC, ACC, ALC, ADC** are gray. **Mfg. part no. ALCC** is black. **Mfg. part no. 8408** is made from natural-colored nylon. Aggressive adhesive easily mounts to any clean, regular surface. **Sold in packages of 100.**

Mfg. Part No.	Cable Dia. D	Clamp Width W	Clamp Length	Style	Stock No.	Price per Pkg. 1-4
● AUC-1	0.125"	0.750"	0.750"	U-Clamp	16N1049	38.44
● AUC-2	0.250"	0.750"	0.750"	U-Clamp	16N1050	43.83
● AUC-3	0.375"	0.750"	0.750"	U-Clamp	16N1051	48.90
● AUC-4	0.500"	1.000"	1.000"	U-Clamp	16N1052	52.90
● ACC-1	0.125"	0.750"	0.750"	C-Clamp	16N1054	38.62
● ACC-2	0.250"	0.750"	0.750"	C-Clamp	16N1055	43.65
● ACC-3	0.375"	0.750"	0.750"	C-Clamp	16N1056	48.81
● ACC-4	0.500"	1.000"	1.000"	C-Clamp	16N1057	57.57
● ALC-2	0.250"	0.750"	0.750"	Locking	32N689	48.54
● ALC-4	0.500"	1.000"	1.000"	Locking	32N684	59.54
● ALC-6	0.750"	1.000"	1.000"	Locking	32N682	85.67
● ADC-2	0.500"	0.750"	0.750"	Locking	81N2603	25.42
● ALCC-1	0.188"	1.000"	0.750"	Locking	50N6923	21.58
● ALCC-2	0.250"	1.000"	1.000"	Locking	50N6924	29.36
● ALCC-3	0.375"	1.000"	1.000"	Locking	50N6925	32.69
● ALCC-4	0.500"	1.000"	1.250"	Locking	50N6926	39.46
● ALCC-5	0.625"	1.250"	1.250"	Locking	50N6927	59.34
● ALCC-6	0.750"	1.500"	1.500"	Locking	50N6928	87.57
● ALCC-7	0.188"	0.500"	0.750"	Locking	50N6929	17.27
● ALCC-8	0.250"	0.500"	1.000"	Locking	50N6930	24.78
● ALCC-9	0.375"	0.500"	1.000"	Locking	50N6931	27.54
● ALCC-10	0.500"	0.500"	1.250"	Locking	50N6932	28.00
● ALCC-12	0.750"	0.750"	1.500"	Locking	50N6934	50.83
● 8408-0402	0.31-0.41"	0.400"	1.000"	Adjustable	16N965	49.17
● 8408-0403	0.47-0.56"	0.400"	1.250"	Adjustable	16N966	61.47
● 8408-0404	0.58-0.75"	0.500"	1.500"	Adjustable	16N967	84.73
● 8408-0405	0.885-1"	0.500"	2.000"	Adjustable	16N968	95.91

(6440)

PLASTIC CABLE CLAMPS

VOLTREX™ brand



ECC series plastic propionate clamps anchor tubing, cable, and wire bundles securely with a single nail or screw. Lightweight and chemical resistant with excellent shock-resisting properties. Temperature range: -40°F to +185°F. Mount with #10 screw. Color: amber. **Sold in packages of 100.**



Mfg. Part No.	Holding Dia. (In.)	Width (In.)	Pkg. of	Stock No.	Price per Pkg. 1-9
● ECC-2	0.13	0.500	100	32N1269	8.01
● ECC-3	0.19	0.500	100	32N1270	8.28
● ECC-4	0.25	0.500	100	32N1271	8.50
● ECC-5	0.31	0.500	100	32N1272	8.99
● ECC-6	0.375	0.500	100	32N1273	10.15
● ECC-8	0.50	0.500	100	32N1275	12.69
● ECC-10	0.63	0.500	100	32N1277	13.80
● ECC-12	0.75	0.500	100	32N1279	16.87
● ECC-16	1.00	0.500	100	32N1281	20.92

NCC series same as **ECC series** but nylon with temperature range -40°F to +185°F. Mount with #8 screw. Color: natural. **Sold in packages of 100.**

● NCC-2	0.13	0.38	100	32N1284	4.50
● NCC-3	0.19	0.38	100	32N1285	5.17
● NCC-4	0.25	0.38	100	32N1286	5.39
● NCC-5	0.31	0.38	100	32N1287	5.43
● NCC-6	0.38	0.38	100	32N1288	5.92
● NCC-8	0.50	0.38	100	32N1290	6.19
● NCC-10	0.56	0.50	100	32N1292	12.69
● NCC-12	0.75	0.50	100	32N1294	15.05
● NCC-16	1.00	0.50	100	32N1296	18.34

NCCB series are nylon with temperature range of -40°F to +185°F. Mount with #10 screw. Multiple mounting hole design. Color: natural. **Sold in packages of 100.**

● NCCB-3	0.187	0.500	100	95N5159	8.73
● NCCB-4	0.250	0.500	100	95N5160	9.48
● NCCB-6	0.375	0.500	100	95N5161	11.26

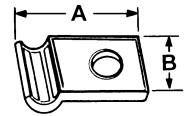
(6430)

METAL CABLE CLAMPS

AMERLOK™ brand



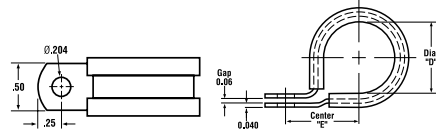
Cable clamp **mfg. part no. 116-MT** is brass with matte tin plating, **mfg. part no. 78-169MT** is steel with matte tin plating, and **mfg. part no. 139** is steel with zinc plating. **Sold in packages of 100.**



Mfg. Part No.	Radius of Arc	Screw Size	Dimensions A B	Stock No.	Price Each
● 116-MT	0.047"	#6	0.438" 0.250"	50N435	35.59 31.20 29.06 26.82
● 78-169-MT	0.125"	#8	0.688" 0.375"	50N456	14.71 12.90 12.01 11.09
● 139	0.078"	#8	0.625" 0.375"	29F629	18.33 16.07 14.96 13.81

(9244)

CUSHIONED CABLE CLAMPS



VOLTREX™ brand

Cushioned clamps are used in many industries to route and protect tubes, pipes, wire bundles and cables. Neoprene is a general usage cushion with excellent weather and ozone resistance and medium oil resistance. Temperature range: -40°F to +250°F. Silicone rubber can be used in applications requiring moderate temperature silicone elastomer. It has superior ozone and weather resistance and an operating temperature of -65°F to +450°F. **Sold in packages of 100.**

NEOPRENE-CUSHIONED, GALVANIZED STEEL CABLE CLAMPS (BLACK)

Mfg. Part No.	Diameter "D"	Center "E"	Stock No.	Price per Pkg. 1-4
● SPC11152	0.31"	0.571"	34C1955	91.26
● SPC11153	0.38"	0.603"	34C1956	70.98
● SPC11154	0.44"	0.634"	34C1957	72.67
● SPC11155	0.50"	0.665"	34C1958	74.36
● SPC11156	0.63"	0.770"	34C1959	76.05
● SPC11157	0.75"	0.832"	34C1960	84.50
● SPC11158	1.00"	0.957"	34C1961	91.26

SILICONE RUBBER CUSHIONED, STAINLESS STEEL CABLE CLAMPS (RED)

Mfg. Part No.	Dia. D	Center E	Stock No.	Price per Pkg. 1-4
● SPC11144	0.25"	0.540"	34C1947	94.64
● SPC11145	0.31"	0.571"	34C1948	98.02
● SPC11146	0.38"	0.603"	34C1949	84.50
● SPC11147	0.44"	0.634"	34C1950	87.88
● SPC11148	0.50"	0.665"	34C1951	91.26
● SPC11149	0.63"	0.770"	34C1952	98.02
● SPC11150	0.75"	0.832"	34C1953	114.92
● SPC11151	1.00"	0.957"	34C1954	128.44

(6435)

NYLON CABLE TIE MOUNTS

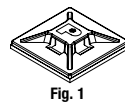


Fig. 1

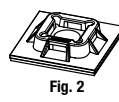


Fig. 2

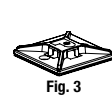


Fig. 3

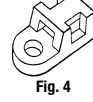


Fig. 4

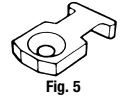


Fig. 5



Fig. 6



Fig. 7

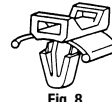


Fig. 8



Fig. 9

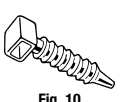


Fig. 10

SIZE CODES FOR CABLE TIE MOUNTS

Code	Fig.	W x L	Mounting	Use With Cable Ties*
A	1	0.50 x 0.50"	Adhesive	M
B	1	0.75 x 0.75"	Adhesive	M,I
C	3	1.00 x 1.00"	Adhesive	M,I,S
D	3	1.12 x 1.12"	Adhesive	M,I,S
E	3	1.50 x 1.50"	Adhesive	M,I,S,H
F	3	2.00 x 2.00"	Adhesive	M,I,S,H
G	2	1.00 x 1.00"	Adhesive	M,I,S
J	4	0.37 x 0.75"	#8 Screw	M,I,S
L	5	0.75 x 0.50"	#8 Screw	M,I,S
M	6	0.32 x 0.50"	#4 Screw	M
N	6	0.42 x 0.63"	#6 Screw	M,I,S
O	6	0.42 x 0.63"	#8 Screw	M,I,S

➔ CONTINUED ➔

WIRE & CABLE TIES

NYLON CABLE TIE MOUNTS (CONT.)

Code	Fig.	W x L	Mounting	Use With Cable Ties*
P	6	0.62 x 0.88"	#8 Screw	M,I,S,H
Q	6	0.62 x 0.88"	#10 Screw	M,I,S,H
R	7†	0.77 x 0.63"	Push-1/4" hole	M,I,S
S	8††	0.71 x 0.72"	Push-1/4" hole	M,I,S
T	9‡	0.38 x 0.62"	Push-1/4" hole	M,I,S
U	10	0.188 x 1.25"	Push 3/16" Hole	M,I,S
V	10	0.25 x 1.25"	Push 1/4" Hole	M,I,S

* Order cable ties separately on page 1107. M-Miniature; I-Intermediate; S-Standard; H-Heavy (including Light Heavy-LF). †For 0.105" maximum panel; ‡For 0.125" maximum panel; ††For 0.09" maximum panel.

Mfg. Part No.	Code	Pkg. of	Stock No.	Price per Pkg.
● ABM1M-A-C	A	100	89F2504	60.01
● ABMM-A-C	B	100	78F622	86.37
● ABM2S-A-C	C	100	78F623	116.32
● ABM112-A-C	D	100	94B4057	116.23
● ABM3H-A-L	E	50	84F1818	90.21
● ABM100-A-C	G	100	95F5094	114.04
● ABM1M-A-M	A	1000	89F2509	278.64
● ABMM-A-D	B	500	87F6091	196.00
● ABM2S-A-D	C	500	89F2510	223.08
● ABM3H-A-T	E	200	84F1819	185.56
● ABM4H-A-T	F	200	84F1820	243.25
● ABM100-A-D	G	500	95F5097	220.89
● TA1S8-C	J	100	78F620	39.50
● LPMSS8-C	L	100	84F603	33.79
● TM1S4-C	M	100	89F2506	26.79
● TM2S6-C	N	100	89F2507	41.00
● TM2S8-C	O	100	78F624	41.00
● TM3S8-C	P	100	94F3155	62.75
● TM3S10-C	Q	100	87F6100	64.23
● PWMS-H25-C	R	100	89F2508	40.71
● TM2PWH25-C	S	100	95F5095	80.80
● PM2H25-C	T	100	94F3129	39.43
● TA1S8-M	J	1000	78F621	124.20
● LPMS-S8-M	L	1000	98F7641	148.31
● TM2S6-M	N	1000	89F2513	149.76
● TM2S8-M	O	1000	89F2514	149.76
● TM3S8M	P	1000	84F2089	260.82
● TM3S10-M	Q	1000	50F2892	270.72
● PM2H25-M	T	1000	50F2906	155.70
● MPMS19-CO	U	100	84F598	62.13
● MPMS25-CO	V	100	84F1822	71.90

(6502)

VOLTREX™ BRAND ADHESIVE-BACKED FLAT CABLE TIE HOLDERS

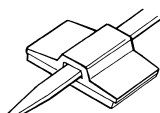


Fig. 1

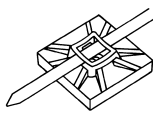


Fig. 2

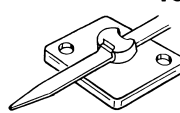


Fig. 3

Sold in package quantities indicated below.

Fig.	L x W	Description	Tensile Strength	Pkg. of	Mfg. Part No.	Stock No.	Price per Pkg.
1	1.03 x 0.68"	2-Way/PVC	18-50 lbs.	100	● VRTH-02	23N3670	29.99
3	1.00 x 1.00"	Swivel Mount	18-50 lbs.	100	● VRTH-04A	37N2110	56.42
2	0.50 x 0.50"	4-Way/Nylon	18-50 lbs.	100	● 2587	92N4802	29.99
2	0.50 x 0.50"	4-Way/Nylon	18-50 lbs.	1000	● 2588	92N4803	250.77
2	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	100	● VRTH-05A	81N2596	28.80
2	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	1000	● 8408-1024	16N8736	271.34
2	0.84 x 0.84"	4-Way/PVC	18-50 lbs.	100	VRTH-10-A	50N4897	18.52
2	0.84 x 0.84"	4-Way/PVC	18-50 lbs.	1000	8413-1034	16N8750	164.92
2	1.00 x 1.00"	4-Way/Nylon	18-50 lbs.	100	● VRTH-07A	81N2598	36.09
2	1.00 x 1.00"	4-Way/Nylon	18-50 lbs.	1000	● 8408-1025	16N8737	339.96
2	1.08 x 1.08"	4-Way/Nylon	18-50 lbs.	100	VRTH-12-SA	50N4898	24.12
2	2.00 x 2.00"	4-Way/Nylon	18-120 lbs.	100	● 2585	92N4800	130.96

(6361)

VOLTREX™ BRAND SCREW MOUNT FLAT CABLE TIE HOLDERS



Fig. 3



Fig. 4



Fig. 5



Fig. 6

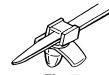


Fig. 7



Fig. 8



Fig. 9

Material: Nylon. Color: Natural. Sold in packages of 100.

Mfg. Part No.	Fig.	L x W	Description	Tensile Strength	Screw or Panel	Stock No.	Price per Pkg. 1-4
● VRTH-01	3	0.75 x 0.50"	Low-Profile Mount	18-50 lbs.	#8 Screw	23N3669	20.19
● 8409-0362	4	0.40 x 0.80"	Tie Anchor Plate	18-50 lbs.	#8 Screw	16N852	11.59
● 8409-0363	5	0.38 x 0.60"	Std. Tie Anchor	18-50 lbs.	#8 Screw	16N853	11.80
● 8409-0364	5	0.62 x 0.88"	Hvy. Tie Anchor	18-120 lbs.	#10 Screw	16N854	16.22
● 2184	8	0.26 x 0.40"	Push Mount	18-50 lbs.	0.250" Hole	92N4504	19.41
● VRTH-03	7	0.56 x 0.50"	Winged Push Mount	18-50 lbs.	0.187" Hole	37N2108	22.42
● 3359	6	0.40 x 0.60"	Pushbutton Mount	18-50 lbs.	0.250" Hole	92N4505	20.96
● VRTH-05	9	0.75 x 0.75"	4-Way/Nylon	18-50 lbs.	#6 Screw	81N2595	21.40

(6483)

MOUNTING ACCESSORIES

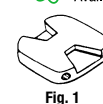


Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Sold in package quantities indicated below.

Mfg. Part No.	Fig.	Description	Pkg. of	Stock No.	Price per Pkg. 1-4
● TC5342A	1	2-Way Adhesive-Backed Mount Base For Use with Ty-Rap® Cable Ties 0.190" Max. Width	100	10F8223	107.81
● TC342A			1000	31F2613	362.24
● TC5347A	2	4-Way Adhesive-Backed or Screw Mount Base For Use with Ty-Rap® Cable Ties 0.190" Max. Width and 0.301" Max. Width for Diagonal 2-Way Entry	100	10F8226	103.53
● TC347A			1000	10F8227	349.44
● TC5823	3	0.250" Push-in Mount Base	100	10F8225	53.37
● LPM-9-M	4	Low Profile Mount Base for Use with Cable Ties Up to 50 lbs. Tensile Strength (Miniature through Standard)	1000	48F3174	73.64
● SMNY-002-9-D	5	Screw Mount Base for Use with Cable Ties (Mfg. part no. SMNY-001 Bases for Ties up to 50 lbs. Tensile Strength and Mfg. part no. SMNY-002 Bases for Ties up to 120 lbs. Tensile Strength)	500	48F3178	81.60
● SMNY-001-0-D				48F3179	45.92
● SMNY-001-9-D				48F3177	39.06
● MCONY-1250-9-D	6	Mounting Cradle Base for Use with Cable Ties up to 50 lbs. Tensile Strength (Miniature through Standard)	500	48F3181	160.86

(6454)

Find
application
notes—fast.

(94645)

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CABLE MANAGEMENT

● Indicates RoHS Compliant

WIRE & CABLE TIES

TAK-TY[®] HOOK AND LOOP CABLE TIES



8" and 12" Lengths



6", 12" and 18" Lengths

- Adjustable, releasable and reusable hundreds of times
- No special tools needed
- No risk of over-tensioning or damaging high-performance copper and fiber cables
- Available in many styles, sizes and colors to suit a variety of applications

- Mfg. part nos.** HLT and HLT-P are loop ties in 8" and 12" lengths with slot that allows for prewrapping of bundles
- Mfg. part nos.** HLS and HLT-P are strip ties in 6", 12" and 18" lengths. HLM and HLS are 15" and 75" continuous rolls
- Mfg. part nos.** HLT-P and HLT-P are UL listed for plenum use

HLT and HLT-P are UL listed for use in air handling spaces per NEC Section 300-22(c) and (d), and are UL94V-2 flame rated. Color: black. Other colors available: go online or call Newark. Sold in packages of 10 ties in convenient perforated rolls of 6", 8", 12" and 18" length strips, except mfg. part nos. with RO suffix which are sold in cut-to-length continuous rolls of 15' or 75'.

Mfg. Part No.	Tie Length (in.)	Tie Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)*	Pkg. Qty.	Stock No.	Price per Pkg.
● HLT2I-X0	8	0.5	1.91	40	10	66F3595	15.62
● HLT3I-X0	12	0.5	3.18	40	10	66F3596	20.29
● HLT2P1-X0+	8	0.5	1.91	18	10	17C1625	19.04
● HLT3P1-X0+	12	0.5	3.18	18	10	17C1641	24.45
● HLS1.5S-X0	6	0.75	1.5	50	10	66F3597	13.55
● HLS3S-X0	12	0.75	3.2	50	10	66F3598	22.59
● HLS5S-X0	18	0.75	5	50	10	66F3599	32.92
● HLTSP1.5S-X0+	18	0.75	1.5	18	10	16C7690	16.07
Mfg. Part No.	Roll Length (ft.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)*	Roll Qty.	Stock No.	Price per Roll
● HLM-15R0	15 ft. Roll	0.33	Various	18	1 Roll	12K5422	19.65
● HLS-15R0	15 ft. Roll	0.75	Various	50	1 Roll	66F3600	27.53
● HLS-75R0	75 ft. Roll	0.75	Various	18	1 Roll	93B6334	112.48

*Minimum 2" overlap required to achieve loop tensile rating (12538)

TAK-TAPE[™] HOOK AND LOOP CABLE TIE ROLLS



TTS-20R0

- Hook and loop fastener for general-purpose bundling
- Thin and flexible to quickly wrap around bundle

- Adjustable, releasable and reusable
- Cut-to-length continuous rolls

Unique material has hooks on one side and loops on the other so it adheres to itself. Color: black. **Mfg. part no.** TTS-20R0 sold in 20 ft. individual rolls. **Mfg. part no.** TTS-35RX0 sold in multi-packs of ten 35 ft. rolls.

Mfg. Part No.	Roll Length (ft.)	Width (in.)	Max. Bundle Dia.	Min. Loop Tensile Strength (lbs.)	Stock No.	Price Each
● TTS-20R0	20	0.75	Various	40	63H2473	15.50
● TTS-35RX0*	35	0.75	Various	40	12K5496	293.70

*Sold in multi-packs of ten 35-foot rolls (83877)

ULTRA-CINCH[™] HOOK AND LOOP TIES



UCT, UGCTE and UGCTC (Top to Bottom)



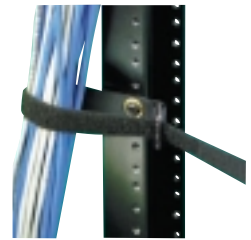
- Exclusive material with hooks and loops on same side
- User can secure a greater range of bundle diameters, including smaller bundles
- Adjustable, releasable and reusable
- Low-profile contoured cinch-ring
- Soft material protects against cable damage
- Tapered tip threads easily for fast installation

Sturdy brass grommet on **mfg. part no.** UGCTC (center mount) and UGCTE (end mount) provides reliable installations, resists pull-out, and allows cable bundles to be securely fastened to surfaces. Color: black. Available in 7 other colors; go online or call Newark. Sold in packages of 10.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Stock No.	Price per Pkg.
● UCT3S-X0	12	0.85	3	50	95H4675	17.98
● UCT5S-X0	18	0.85	5	50	95H4676	22.03
● UGCTE3S-X0	12	0.85	3	50	95H4683	28.39
● UGCTE5S-X0	18.7	0.85	5	50	95H4684	33.61
● UGCTC3S-X0	12	0.85	3	50	95H4681	28.39
● UGCTC5S-X0	18	0.85	5	50	95H4682	33.61

(79557)

TAK-TY[®] HOOK AND LOOP GROMMET CINCH TIES



- Ideal for Applications Mounting Cable Bundles onto Surfaces
- Sturdy Brass Grommet and Washer
- 1/4" (M6) Diameter Mounting Hole
- Grommet Allows for Mounting of Cinch Ties Prior to Cable Installation
- High Visibility for Mounting in Poor Lighting Conditions
- Fits Drywall Screws up to #12 Screw Size

Sold in packages of 10.

GCCT—CENTERS BUNDLE OVER MOUNTING POINT

Mfg. Part No.	Length (in.)	Max. Bundle Diameter (in.)	Min. Loop Tensile Strength (lbs.)	Stock No.	Price per Pkg.
● GCCT3S-X0	12.0	3.00	30	04H7374	33.28
● GCCT5S-X0	18.0	5.00	50	04H7375	40.59

OFFSETS BUNDLE NEXT TO MOUNTING POINT

Mfg. Part No.	Length (in.)	Max. Bundle Diameter (in.)	Min. Loop Tensile Strength (lbs.)	Stock No.	Price per Pkg.
● GCCT2S-X0	10.4	2.20	50	04H7376	34.27
● GCCT4S-X0	16.1	4.10	50	04H7377	39.40

(73909)

DURA-TY[™] CABLE TIES



- Separate head and body design with double stainless steel locking barb
- Constructed of weather-resistant acetal
- Meets Telcordia TR-TSY-000789
- Excellent UV, chemical and moisture resistance — 20 year service life
- High-tensile strength (250 lbs.) and high-impact resistance

Ideal for all outdoor messenger strand applications including telephone, cable TV, traffic signals and outside plant power services. Color: black

DURA-TY CABLE TIES (HEAD WITH STRAP)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● DT4EH-L0	13.5	0.5	3.88	250	50	28C7873	92.85
● DT8EH-L0	27.0	0.5	8.00	250	25	04H7333	87.56

➤ CONTINUED ➤

WIRE & CABLE TIES

DURA-TY™ CABLE TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
Kit includes one 50 ft reel of Dura-Ty strapping and 25 Dura-Ty cable tie heads.							
Mfg. Part No.	Description					Stock No.	Price Each
DTKEH-0	Dura-Ty Cable Tie Kit					04H7331	87.72
DTRRH-LR0	Dura-Ty Cable Tie Strapping, 50 ft. Reel					04H7332	52.86
DTHEH-Q0*	Dura-Ty Cable Tie Heads, Pkg. of 25					04H7330	15.67

*Sold in package of 25.
(73912)

PAN-TY® CABLE TIES



- Large selection of sizes
- One-piece construction
- Locking design provides consistent performance and reliability
- Low threading force
- Curved tip design allows for easy pick up, faster initial threading and installation



Constructed of durable Nylon 6.6. Color: natural. Also available in additional sizes, styles, colors and materials; go online or call. UL listed (except where noted), UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
PLT.7M-C	3.1	0.09	0.688	18	100	89F229	13.09
PLT.7M-M	3.1	0.09	0.688	18	1000	89F230	31.01
PLT1M-C	3.9	0.098	0.87	18	100	78F506	14.73
PLT1M-M	3.9	0.098	0.87	18	1000	78F536	35.21
PLT1.5M-C	5.6	0.098	1.25	18	100	78F580	19.18
PLT1.5M-M	5.6	0.098	1.25	18	1000	78F586	53.25
PLT2M-C	8.0	0.098	2	18	100	78F581	20.50
PLT2M-M	8.0	0.098	2	18	1000	78F587	54.06
PLT1.5I-C	5.6	0.142	1.38	40	100	78F507	17.06
PLT1.5I-M	5.6	0.142	1.38	40	1000	78F537	54.47
PLT2I-C	8.0	0.142	2	40	100	78F582	25.94
PLT2I-M	8.0	0.142	2	40	1000	78F588	70.79
PLT2.5I-C	9.7	0.145	2.5	40	100	97B0593	32.60
PLT2.5I-M	9.7	0.145	2.5	40	1000	48F6955	138.52
PLT3I-C	11.4	0.145	3	40	100	78F584	31.67
PLT3I-M	11.4	0.145	3	40	1000	78F590	148.92
PLT4I-C	14.5	0.145	4	40	100	78F585	44.23
PLT4I-M	14.5	0.145	4	40	1000	78F611	231.54
PLT1.5S-C	6.2	0.19	1.5	50	100	78F583	21.24
PLT1.5S-M	6.2	0.19	1.5	50	1000	78F589	75.69
PLT2S-C	7.4	0.19	1.88	50	100	78F508	21.74
PLT2S-M	7.4	0.19	1.88	50	1000	78F538	74.46
PLT3S-C	11.5	0.19	3	50	100	78F509	43.47
PLT3S-M	11.5	0.19	3	50	1000	78F539	193.60
PLT4S-C	14.5	0.19	4	50	100	78F510	49.48
PLT4S-M	14.5	0.19	4	50	1000	78F540	216.24
PLT5S-C	17.5	0.19	5	50	100	94F2849	71.01
PLT5S-M	17.5	0.19	5	50	1000	94F3127	306.00
PLT6LH-L	21.9	0.3	6	120	50	95F3557	55.02
PLT6LH-C	21.9	0.3	6	120	100	95F3558	68.37
PLT7LH-C	24.7	0.3	7	120	100	98F1691	78.50
PLT7LH-L	24.7	0.3	7	120	50	66H2870	62.88
PLT-8LH-L	27.6	0.3	8	120	50	98F4672	78.06
PLT8LH-C	27.6	0.3	8	120	100	91C4484	96.02
PLT9LH-L	30.5	0.3	9	120	50	50F2901	81.69
PLT9LH-C	30.5	0.3	9	120	100	84F1320	98.37
PLT10LH-L	34.3	0.3	10.31	120	50	98F6614	102.48
PLT10LH-C	34.3	0.3	10.31	120	100	08H0909	135.58
PLT2H-TL	8.1	0.3	2	120	250	99F5066	74.52
PLT2.5H-L	9.8	0.3	2.5	120	50	66H2793	37.04
PLT2.5H-TL	9.8	0.3	2.5	120	250	66H2795	78.79
PLT4H-L	14.5	0.3	4	120	50	78F511	38.34
PLT4H-TL	14.5	0.3	4	120	250	90F1729	94.95
PLT5H-C*	17.7	0.35	5	175	100	27C1280	74.39
PLT5H-L*	17.7	0.35	5	175	50	95B0147	60.80
PLT6H-L*	20.9	0.35	6	175	50	66H2868	67.63
PLT6H-C*	20.9	0.35	6	175	100	66H2865	83.90
PLT8H-L*	30.6	0.35	9	175	50	70B458	87.56
PLT8H-C*	30.6	0.35	9	175	100	97B0629	112.75

▶ CONTINUED ▶

PAN-TY® CABLE TIES (CONT.)

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
PLT13H-Q*	43.3	0.35	13	175	25	06H2959	57.00
PLT13H-C*	43.3	0.35	13	175	100	94F2842	190.94

*UL recognized only
(6501)

WEATHER-RESISTANT PAN-TY® CABLE TIES



- Weather-resistant, black Nylon 6.6 construction
- Greater resistant to ultraviolet light
- High strength and low thread force
- Locking design provides consistent performance and reliability
- Curved tip design allows for easy pick up, faster initial threading and installation
- Ideal for outdoor use
- UL listed, UL recognized



Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
PLT.7M-M0	3.1	0.09	0.688	18	1000	94F2836	42.64
PLT1M-C0	3.9	0.098	0.87	18	100	89F227	19.30
PLT1M-M30	3.9	0.098	0.87	18	1000	94F2839	45.78
PLT1.5M-C0	5.6	0.098	1.25	18	100	89F221	22.08
PLT1.5M-M30	5.6	0.098	1.25	18	1000	96F8051	63.54
PLT2M-C0	8.0	0.098	2	18	100	94F3126	26.32
PLT2M-M0	8.0	0.098	2	18	1000	94F2843	81.93
PLT1.5I-C0	5.6	0.142	1.38	40	100	89F228	20.96
PLT1.5I-M0	5.6	0.142	1.38	40	1000	89F220	75.45
PLT2I-C0	8.0	0.142	2	40	100	89F208	31.21
PLT2I-M0	8.0	0.142	2	40	1000	89F209	103.25
PLT2.5I-C0	9.7	0.145	2.5	40	100	97B0594	37.55
PLT2.5I-M0	9.7	0.145	2.5	40	1000	52F1474	164.91
PLT3I-C0	11.4	0.145	3	40	100	96F8060	42.32
PLT3I-M0	11.4	0.145	3	40	1000	96F8064	211.51
PLT4I-C0	14.5	0.145	4	40	100	97B0621	55.13
PLT4I-M0	14.5	0.145	4	40	1000	70B5133	313.51
PLT1.5S-C0	6.2	0.19	1.5	50	100	96F8097	23.78
PLT1.5S-M0	6.2	0.19	1.5	50	1000	94F2837	86.45
PLT2S-C00	7.4	0.19	1.88	50	100	97C9484	26.46
PLT2S-C0	7.4	0.19	1.88	50	100	89F210	23.23
PLT2S-M0	11.5	0.19	3	50	1000	89F211	85.07
PLT3S-M0	11.5	0.19	3	50	1000	87F6097	235.55
PLT4S-C0	14.5	0.19	4	50	100	89F216	51.90
PLT4S-M0	14.5	0.19	4	50	1000	89F217	250.18
PLT5S-C0	17.5	0.19	5	50	100	97B0627	78.67
PLT5S-M0	17.5	0.19	5	50	1000	98B9365	390.00
PLT6LH-L0*	21.9	0.3	6	120	50	93B9476	63.20
PLT7LH-C0*	24.7	0.3	7	120	100	96B8922	95.76
PLT7LH-L0*	24.7	0.3	7	120	100	96B8922	95.76
PLT7LH-L0*	24.7	0.3	7	120	50	84F637	74.22
PLT8LH-L0*	27.6	0.3	8	120	50	66H2876	88.03
PLT8LH-C0*	27.6	0.3	8	120	100	66H2875	110.40
PLT9LH-L0*	30.5	0.3	9	120	50	25C8106	89.01
PLT9LH-C0*	30.5	0.3	9	120	100	96F8085	143.85
PLT2H-L0*	8.1	0.3	2	120	250	97B0598	83.54
PLT2.5H-L0*	9.8	0.3	2.5	120	50	66H2794	40.28
PLT2.5H-TL0*	9.8	0.3	2.5	120	250	66H2796	98.84
PLT4H-L0*	14.5	0.3	4	120	50	89F215	41.70
PLT4H-TL0*	14.5	0.3	4	120	250	90F3513	108.97
PLT5H-C0*	17.7	0.35	5	175	100	97B0626	94.06
PLT5H-L0*	17.7	0.35	5	175	50	70B9146	76.46
PLT6H-L0*	20.9	0.35	6	175	50	94F3128	85.01
PLT6H-C0*	20.9	0.35	6	175	100	66H2866	104.58
PLT8H-L0*	30.6	0.35	9	175	50	84F639	100.71
PLT8H-C0*	30.6	0.35	9	175	100	97B0630	132.64
PLT13H-Q0*	43.3	0.35	13	175	25	66H2792	87.59
PLT13H-C0*	43.3	0.35	13	175	100	01E9037	219.54

*UL recognized only
(63624)

CABLE MANAGEMENT

● Indicates RoHS Compliant

WIRE & CABLE TIES

PAN-TY® RELEASABLE CABLE TIES



- The extended tab of releasable cable ties permits easy release and re-use even after tie has been pulled up snug by hand
- Releasable ties are particularly useful where changes are anticipated during development, production, or servicing in the field
- To release, grasp the head of the cable tie, deflect release tab, and pull the cable tie away from the bundle



Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon; go online or call Newark. UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PRT1S-C	4.8	0.19	1	50	100	99B2021	32.28
● PRT1S-M	4.8	0.19	1	50	1000	66H3284	126.25
● PRT1.5S-M	6.3	0.19	1.5	50	1000	89F225	131.91
● PRT2S-C	7.4	0.19	1.88	50	100	78F515	39.29
● PRT2S-M	7.4	0.19	1.88	50	1000	84F2186	131.71
● PRT3S-C	11.5	0.19	1.5	50	100	94F2858	66.52
● PRT3S-M	11.5	0.19	3	50	1000	94F5607	331.89
● PRT4S-C	14.5	0.19	4	50	100	94F3133	80.94
● PRT4S-M	14.5	0.19	4	50	1000	94F5717	380.03
● PRT2H-L	8.4	0.3	2	80	50	29H3059	44.73
● PRT2H-TL	8.4	0.3	2	80	250	66H3289	161.51
● PRT3H-L	11.4	0.3	3	80	50	67C1742	54.77
● PRT3H-TL	11.4	0.3	3	80	250	66H3292	205.02
● PRT4H-L	14.5	0.3	4	80	50	94F2859	57.01
● PRT4H-TL	14.5	0.3	4	80	250	22C0962	220.36
● PRT4H-TL0*	14.5	0.3	4	80	250	66H3295	252.88

*Black, weather-resistant nylon (13157)

PAN-TY® CLAMP TIES



- Used to secure wire bundle to another surface such as a control panel, wall or ceiling
- Design allows for bundling before or after screwing clamp in place
- Curved tip is easy to pick up from flat surfaces, allows faster initial threading and speeds installation



Constructed of durable Nylon 6.6. Color: natural. Outdoor and black, high-temperature nylon Pan-Ty® clamp cable ties also available; go online or call Newark. UL listed, UR recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● PLC1M-S4-C	4.3	0.1	0.75	18	#4	100	94F3118	31.66
● PLC1M-S4-M	4.3	0.1	0.75	18	#4	1000	70B1399	191.90
● PLC1.5I-S8-C	6.1	0.135	1.25	40	#8	100	94F3117	31.83
● PLC1.5I-S8-M	6.1	0.135	1.25	40	#8	1000	84F1323	195.98
● PLC2S-S6-C	7.9	0.19	1.84	50	#6	100	94F3119	35.15
● PLC2S-S6-M	7.9	0.19	1.84	50	#6	1000	84F1324	185.82
● PLC2S-S10-C	7.9	0.19	1.84	50	#10	100	78F512	35.21
● PLC2S-S10-M	7.9	0.19	1.84	50	#10	1000	78F542	180.35
● PLC3S-S10-C	12.0	0.19	3	50	#10	100	84F1325	78.94
● PLC3S-S10-M	12.0	0.19	3	50	#10	1000	84F1978	330.41
● PLC4S-S10-C	15.0	0.19	4	50	#10	100	84F1326	89.23
● PLC4S-S10-M	15.0	0.19	4	50	#10	1000	84F1979	451.82
● PLC2H-S25-L	9.0	0.3	2	120	0.250	50	99B6637	44.26
● PLC2H-S25-TL	9.0	0.3	2	120	0.250	250	66H2661	154.81
● PLC4H-S25-L	15.1	0.3	4	120	0.250	50	89F223	53.49
● PLC4H-S25-TL	15.1	0.3	4	120	0.250	250	48F6576	213.78

(13162)

PAN-TY® HALAR® FLUOROPOLYMER CABLE TIES



- Commonly accepted solution for bundling qualified cable without conduit in air handling space applications
- Many inspectors recognize the distinctive maroon color
- Low smoke density and excellent flammability rating of UL 94V-0

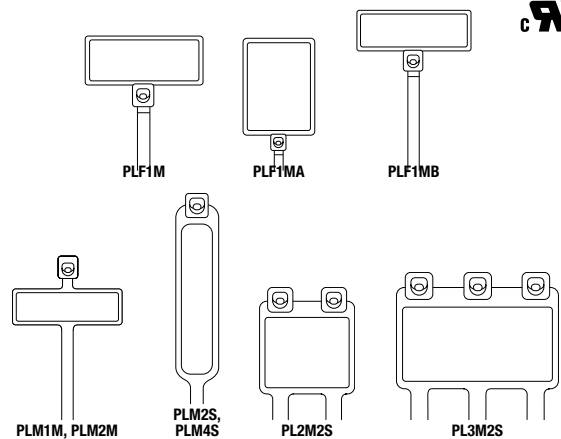


UL listed, UL recognized as suitable for use in air handling spaces per NEC, Sec. 300-22(C) and (D). NOTE: Halar® is the registered trademark of Solvay Solexis, Inc.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLT1M-C702Y	4.0	0.098	0.87	18	100	52K3080	89.84
● PLT1M-M702Y	4.0	0.098	0.87	18	1000	52K3082	566.92
● PLT2S-C702Y	7.4	0.19	1.88	50	100	52K3087	232.13
● PLT2S-M702Y	7.4	0.19	1.88	50	1000	52K3089	1447.04
● PLT3S-C702Y	11.6	0.19	3	50	100	52K3091	336.15
● PLT3S-M702Y	11.6	0.19	3	50	1000	52K3093	2165.80

(73910)

PAN-TY® MARKER AND FLAG TIES



- Used to fasten and identify bundles at the same time
- Mark with Panduit® marker pens or computer printable labels
- Custom imprinting with text, symbols or trademarks available using Panduit® custom hot stamping service

Constructed of durable Nylon 6.6. Color: natural. UL recognized. Outdoor, high-temperature and colored marker and flag cable ties also available; go online or call Newark.

Mfg. Part No.	Lgth. (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● PLF1M-C	4.3	0.098	0.87	18	0.31 x 0.75 "	100	78F592	33.39
● PLF1M-M	4.3	0.098	0.87	18	0.31 x 0.75 "	1000	78F593	184.76
● PLF1MA-C	5.1	0.098	0.87	18	0.76 x 1.04 "	100	84F1958	49.47
● PLF1MA-M	5.1	0.098	0.87	18	0.76 x 1.04 "	1000	84F1959	320.45
● PLF1MB-C	4.0	0.098	0.75	18	0.31 x 0.92 "	100	88C9452	49.47
● PLF1MB-M	4.0	0.098	0.75	18	0.31 x 0.92 "	1000	97B0551	321.78
● PLM1M-C	3.9	0.098	0.75	18	0.26 x 0.95 "	100	78F513	33.66
● PLM1M-M	3.9	0.098	0.75	18	0.26 x 0.95 "	1000	78F543	188.30
● PLM2M-C	8.0	0.098	2	18	0.26 x 0.95 "	100	94F3120	47.86
● PLM2M-M	8.0	0.098	2	18	0.26 x 0.95 "	1000	94F2835	291.59
● PLM2S-C	7.4	0.185	1.75	50	0.44 x 0.87 "	100	78F514	63.65
● PLM2S-D	7.4	0.185	1.75	50	0.44 x 0.87 "	500	90F1725	153.43
● PLM4S-C	14.6	0.185	4	50	0.44 x 2.00 "	100	94F3164	88.11
● PLM4S-D	14.6	0.185	4	50	0.44 x 2.00 "	500	84F1322	268.95
● PL2M2S-L	7.4	0.185	1.75	50	0.87 x 1.07 "	50	94F2851	90.06
● PL2M-2S-D	7.4	0.185	1.75	50	0.87 x 1.07 "	500	70B5887	484.43
● PL3M2S-L	7.4	0.185	1.75	50	0.87 x 1.79 "	50	01C2146	118.42
● PL3M2S-D	7.4	0.185	1.75	50	0.87 x 1.79 "	500	97B0635	772.09

(13166)

WIRE & CABLE TIES

PAN-TY® WING PUSH-MOUNT CABLE TIES



- Used to attach a bundle to another surface such as a flat panel
- Anchor is easily pressed into pre-drilled hole and locks in place

Just Added



Pan-Ty® cable ties feature push-mount wings that provide constant tension; creating a stable, secure fixture and rattle-free installation. UL recognized.

Mfg. Part No.	Lgth. (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strgth. (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● PLWP1M-C	4.3	0.98	0.87	18	100	89F1174	31.84
● PLWP1S-C	5.2	0.19	1	50	100	89F1175	38.16
● PLWP2S-C	7.8	0.19	1.75	50	100	84F1327	43.96
● PLWP2H-TL	8.9	0.3	2	120	250	73C4935	154.67
● PLWP3H-TL	12	0.3	3	120	250	66H2890	184.59

(91145)

DOME-TOP® BARB-TY CABLE TIES



- Dome-Top® head features unique patented design with round, smooth edges
- Stainless steel locking barb provides consistent performance and reliability
- Infinitely adjustable for tight bundles throughout its entire bundle range
- High strength and low thread force



Constructed of durable Nylon 6.6. Color: natural. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● BT1M-C	4.0	0.095	0.9	18	100	96F9934	16.83
● BT1M-M	4.0	0.095	0.9	18	1000	96F9935	42.13
● BT1.5M-C	6.3	0.095	1.5	18	100	16F5111	22.52
● BT1.5M-M	6.3	0.095	1.5	18	1000	16F5130	62.12
● BT2M-C	7.9	0.095	2	18	100	16F5112	23.61
● BT2M-M	7.9	0.095	2	18	1000	16F5131	63.07
● BT4M-C	14.2	0.095	4	18	100	16F5113	34.06
● BT4M-M	14.2	0.095	4	18	1000	16F5133	115.20
● BT1.5I-C	6.1	0.141	1.5	40	100	96F9936	19.41
● BT1.5I-M	6.1	0.141	1.5	40	1000	96F9937	64.26
● BT2I-C	8.0	0.141	2	40	100	96F9938	29.27
● BT2I-M	8.0	0.141	2	40	1000	96F9939	82.59
● BT3I-C	11.3	0.141	3	40	100	96F9940	36.10
● BT3I-M	11.3	0.141	3	40	1000	96F9941	175.41
● BT4I-C	14.3	0.141	4	40	100	96F9942	50.94
● BT4I-M	14.3	0.141	4	40	1000	96F9943	275.61
● BT2S-C	8.0	0.185	2	50	100	96F9944	24.53
● BT2S-M	8.0	0.185	2	50	1000	96F9945	86.87
● BT3S-C	12.0	0.185	3	50	100	96F9946	50.06
● BT3S-M	12.0	0.185	3	50	1000	96F9947	230.15
● BT4S-C	15.1	0.185	4	50	100	96F9948	56.41
● BT4S-M	15.1	0.185	4	50	1000	96F9949	257.22
● BT2LH-L	8.7	0.275	2	120	50	16F5121	26.23
● BT2LH-TL	8.7	0.275	2	120	250	16F5142	96.53
● BT3LH-L	11.8	0.275	3	120	50	16F5122	34.97
● BT3LH-TL	11.8	0.275	3	120	250	16F5143	111.64
● BT4LH-L	14.9	0.275	4	50	50	16F5123	36.45
● BT4LH-TL	14.9	0.275	4	50	250	16F5144	127.33
● BT5LH-C	18.1	0.275	5	120	100	16F5145	69.88
● BT6LH-L	21.2	0.275	6	120	50	16F5125	53.84
● BT6LH-C	21.2	0.275	6	120	100	16F5146	79.68
● BT7LH-L	24.4	0.275	7	120	50	16F5126	60.33
● BT7LH-C	24.4	0.275	7	120	100	16F5147	84.35
● BT8LH-L	27.5	0.275	8	120	50	16F5127	76.39
● BT8LH-C	27.5	0.275	8	120	100	16F5148	111.51
● BT9LH-L	30.7	0.275	9	120	50	16F5128	77.25
● BT9LH-C	30.7	0.275	9	120	100	16F5149	113.65

(12537)

WEATHER-RESISTANT DOME-TOP® BARB TY CABLE TIES



- Weather-resistant, black Nylon 6.6 has greater resistant to ultraviolet light
- Dome-Top head features unique patented design with round, smooth edges
- Stainless steel locking barb provides consistent performance and reliability
- Infinitely adjustable for tight bundles throughout its entire bundle range
- High-strength and low thread force
- For outdoor use



Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● BT1M-C0	4.0	0.095	0.9	18	100	97B0432	18.42
● BT1M-M0	4.0	0.095	0.9	18	1000	97B0433	59.34
● BT1.5M-C0	6.3	0.095	1.5	18	100	27C0723	22.04
● BT1.5M-M0	6.3	0.095	1.5	18	1000	01C0380	81.49
● BT2M-C0	7.9	0.095	2	18	100	97B0435	24.83
● BT2M-M0	7.9	0.095	2	18	1000	97B4014	84.93
● BT4M-M0	14.2	0.095	4	18	1000	98B8699	142.12
● BT1.5I-C0	6.1	0.141	1.5	40	100	94B7864	19.94
● BT1.5I-M0	6.1	0.141	1.5	40	1000	96B0914	79.12
● BT2I-C0	8.0	0.141	2	40	100	94B7868	29.39
● BT2I-M0	8.0	0.141	2	40	1000	97B0131	106.21
● BT3I-C0	11.3	0.141	3	40	100	27C2290	40.26
● BT2S-C0	8.0	0.185	2	50	100	29C7778	21.90
● BT2S-M0	8.0	0.185	2	50	1000	93B6413	87.51
● BT3S-C0	12.0	0.185	3	50	100	19C0300	44.81
● BT3S-M0	12.0	0.185	3	50	1000	14C7445	247.25
● BT2LH-L0	8.7	0.275	2	120	50	65H8730	28.23
● BT2LH-TL0	8.7	0.275	2	120	250	65H8731	113.68
● BT3LH-L0	11.8	0.275	3	120	50	65H7807	37.69
● BT3LH-TL0	11.8	0.275	3	120	250	65H8749	136.81
● BT4LH-L0	14.9	0.275	4	50	50	65H8754	38.87
● BT4LH-TL0	14.9	0.275	4	50	250	65H8755	144.42
● BT5LH-C0	18.1	0.275	5	120	100	97B3368	70.00
● BT6LH-L0	21.2	0.275	6	120	50	79K3492	60.68
● BT6LH-C0	21.2	0.275	6	120	100	35C5297	81.07
● BT7LH-L0	24.4	0.275	7	120	50	65H8767	69.16
● BT7LH-C0	24.4	0.275	7	120	100	97B0440	90.33
● BT8LH-L0	27.5	0.275	8	120	50	65H8769	87.04
● BT8LH-C0	27.5	0.275	8	120	100	65H8768	102.88
● BT9LH-L0	30.7	0.275	9	120	50	97B3738	86.32
● BT9LH-C0	30.7	0.275	9	120	100	01C7196	115.18

(83911)

DOME-TOP® BARB TY CLAMP TIES



- Used to secure a bundle of wires to another surface such as a control panel, wall or ceiling
- Allows for bundling before or after screwing clamp in place

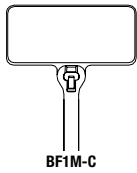


Stainless steel locking barb provides consistent performance and reliability. Constructed of durable Nylon 6.6. Color: natural. Also available in weather-resistant and heat-stabilized black nylon; go online or call Newark. UL listed, UL recognized.

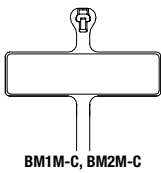
Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● BC1M-S4-M	4.6	0.095	1.5	18	#4	1000	65H8634	204.43
● BC1.5I-S8-M	6.6	0.141	0.9	40	#8	1000	65H8632	210.69
● BC2S-S10-D	8.5	0.185	2	50	#10	500	65H8639	98.28
● BC4LH-S25-L	15.5	0.275	4	120	1/4	50	65H8643	43.34

(79558)

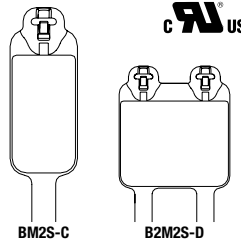
WIRE & CABLE TIES

DOME-TOP® BARB TY
MARKER AND FLAG TIES

BF1M-C



BM1M-C, BM2M-C



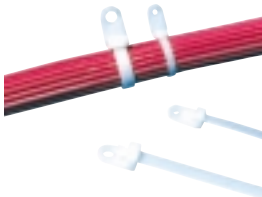
BM2S-C

B2M2S-D

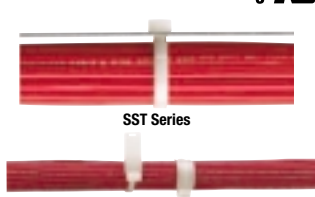
- Used to fasten and identify bundles at the same time
 - Can be marked with Panduit® Marker Pens or Computer Printable Labels
 - Custom imprinting with text, symbols or trademarks available using Panduit® Custom Hot Stamping Service
- Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon and sizes to bundle diameters up to 4.00" (102mm); go online or call Newark. UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Write-On Area	Pkg. of	Stock No.	Price per Pkg.
● BF1M-C	4.6	0.095	0.9	18	0.36 x 0.81"	100	65H8660	28.68
● BM1M-C	4.2	0.095	0.9	18	0.29 x 1.09"	100	94C2830	29.78
● BM2M-C	7.9	0.095	2	18	0.29 x 1.09"	100	65H8668	42.73
● BM2S-C	8.0	0.185	2	50	0.49 x 0.91"	100	65H8671	55.79
● B2M2S-D	8.0	0.185	2	50	0.91 x 1.15"	500	65H8773	453.04

(79495)

STA-STRAP® CABLE,
CLAMP AND MARKER TIES

SSC Series



SSM Series

- Exclusive two-piece design offers low thread force
- Releasable prior to final tensioning and cut-off
- Lower head height than conventional designs for use in tight areas
- Thru-panel design allows tie to be secured directly to panel

Sta-Strap® cable ties are ideal for normal bundling and thru-panel applications. Sta-Strap® clamp ties can be pre-mounted before tying bundle. Sta-Strap® marker ties can be used as a wrap-around or as a flag marker to fasten and identify bundles at the same time. **Sold in packages quantities listed in table below.**

STA-STRAP® CABLE TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● SST1M-C	4.0	0.095	0.78	18	100	78F516	19.12
● SST1M-MP	4.0	0.095	0.78	18	1000	26C2058	89.29
● SST1.5M-C	5.5	0.095	1.25	18	100	78F517	24.39
● SST1.5M-M	5.5	0.095	1.25	18	1000	78F530	71.83
● SST1.5I-C	5.3	0.135	1.25	40	100	90F5901	21.99
● SST1.5I-M	5.3	0.135	1.25	40	1000	78F610	75.37
● SST2I-C	8.1	0.135	2	40	100	78F518	33.33
● SST3I-C	11.0	0.135	3	40	100	78F519	45.06
● SST3I-M	11.0	0.135	3	40	1000	78F532	198.90
● SST4I-C	14.7	0.135	4	40	100	78F521	59.84
● SST4I-M	14.7	0.135	4	40	1000	78F534	310.51
● SST1.5S-M	5.7	0.18	1.25	50	1000	97B2114	111.39
● SST2S-C	6.7	0.18	1.75	50	100	78F609	28.19
● SST2S-M	6.7	0.18	1.75	50	1000	78F685	101.00
● SST2S-MP	6.7	0.18	1.75	50	1000	13C5752	133.71
● SST3S-C	11.0	0.18	3	50	100	78F520	56.29
● SST4S-C	15.0	0.18	4	50	100	89F1181	63.83
● SST4S-M	15.0	0.18	4	50	1000	89F1182	291.28
● SST2H-D	8.0	0.3	2	120	500	07H3476	211.80
● SST4H-L	14.8	0.3	4	120	50	78F522	48.24
● SST4H-D	14.8	0.3	4	120	500	78F535	276.95
● SST8H-L	27.5	0.3	8	120	50	78F523	110.29
● SST8H-D	27.5	0.3	8	120	500	90F1726	662.56

➔ CONTINUED ➔

STA-STRAP® CABLE, CLAMP AND MARKER TIES (CONT.)

STA-STRAP® CLAMP TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Screw Size	Pkg. of	Stock No.	Price per Pkg.
● SSC2S-S10-C	7.4	0.18	1.75	50	#10	100	78F524	48.24
● SSC4H-S25-L	15.6	0.30	4	120	1/4"	50	78F526	80.22

STA-STRAP® MARKER TIES

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Write-On Area (in.)	Pkg. of	Stock No.	Price per Pkg.
● SSM2S-C	6.7	0.18	1.75	50	0.44 x 0.96"	100	78F527	92.71
● SSM2S-D	6.7	0.18	1.75	50	0.44 x 0.96"	500	78F504	209.98
● SSM4S-D	14.9	0.18	4	50	0.44 x 0.96"	500	90F1728	883.05

(73911)

CONTOUR-TY®
CABLE TIES

- Low-profile head avoids snags by reducing overall bundle size
- Designed with outside teeth and smooth round edges to protect cable jacket
- Parallel-entry limits exposure to sharp edges and protects workers arms and hands
- Threads like a belt at 180° with the same performance as conventional ties
- Fully enclosed head for consistent strength



Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon; go online or call Newark. UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● CBR1M-M	4.1	0.098	1	18	1000	04H6871	88.98
● CBR1.5M-M	5.6	0.098	1.5	18	1000	04H6870	130.07
● CBR2M-M	7.2	0.098	2	18	1000	04H6873	136.86
● CBR1.5I-M	5.9	0.14	1.5	40	1000	04H6869	137.23
● CBR3I-M	10.4	0.14	3	40	1000	04H6875	376.63
● CBR4I-M	13.6	0.14	4	40	1000	04H6877	586.24
● CBR4I-MO*	13.6	0.14	4	40	1000	65H8807	777.38
● CBR2S-M	7.6	0.19	2	50	1000	04H6874	188.13
● CBR3S-M	10.8	0.19	3	50	1000	04H6876	489.73
● CBR4S-M	14.0	0.19	4	50	1000	04H6879	546.65
● CBR2HS-D	8.0	0.25	2	85	500	04H6872	349.29
● CBR4LH-TL	14.6	0.3	4	120	250	04H6878	286.43
● CBR6LH-C	20.9	0.3	6	120	100	04H6880	168.00

*Black, weather-resistant nylon
(73908)

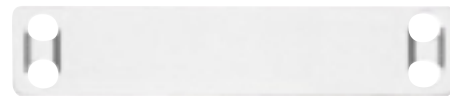
STAINLESS STEEL/
ALUMINUM MARKER PLATES

Fig. 1



Fig. 2



Fig. 3

Marker plates/tags are designed for permanent identification applications in harsh environments, radiation, chemical and weather resistance. All are stainless steel, except for mfg. part no. MMP350H-CAL, which is aluminum. Use with mfg. part no. MLT-S* locking ties, ordered separately on page 1111.

Mfg. Part No.	Fig.	Size	Pkg. of	Stock No.	Price per Pkg.
● MMP350-C	1	0.75" x 3.50"	100	94F2794	83.74
● MMP172-C316	2	0.75" x 1.72"	100	95F5419	79.67
● AP350HW86-C	3	0.75" x 3.50"	100	95F5451	72.30

*Also used with "S" hooks, jack chains and beaded chains.
(6415)

WIRE & CABLE TIES

BELT-TY™ IN-LINE
CABLE TIES

- Low profile head avoids snags and reduces overall bundle size
- 35% lower head height than conventional cable ties
- No protrusion of cut-off protects worker's arms/hands
- Low profile head avoids snags and reduces overall bundle size
- Parallel-entry — threads like a belt at 180° with the same performance as conventional ties



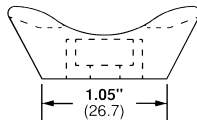
Constructed of durable Nylon 6.6. Color: natural. Also available in black, weather-resistant nylon; go online or call Newark, UL listed, UL recognized.

Mfg. Part No.	Length (in.)	Width (in.)	Max. Bundle Dia. (in.)	Min. Loop Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● ILT2S-M	8.3	0.19	1.88	50	1000	99B1964	90.75
● ILT3S-M	11.5	0.19	3	50	1000	99B1965	242.66
● ILT4S-M	14.7	0.19	4	50	1000	99B1966	269.85
● ILT6LH-C	21.2	0.3	6	120	100	16C7700	82.75

*Black, weather-resistant nylon (60974)

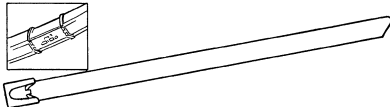
EXTRA-HEAVY
TIE MOUNTS

Designed for use with Panduit® extra heavy cross-section lashing ties for mounting cable, large wire bundles or tubular shapes. Material: weather-resistant nylon for use outdoors. Color: black. Sold in packages of 25 and 100 pieces.



Mfg. Part No.	Hole Diameter	Pk. Qty.	Stock No.	Price per Pkg.
● TMEH-S8-C0	0.18" (4.3mm)	100	70B4918	95.52
● TMEH-S8-Q0	0.18" (4.3mm)	25	97B2125	45.08
● TMEH-S10-C0	0.20" (5.1mm)	100	70B9145	95.52
● TMEH-S10Q0	0.20" (5.1mm)	25	98F301	45.08
● TMEH-S25-C0	0.26" (6.6mm)	100	96B1040	95.52
● TMEH-S25-Q0	0.26" (6.6mm)	25	84F616	45.98

(60774)

PAN-STEEL® STAINLESS
STEEL CABLE TIES

High-strength 304 stainless steel cable ties are designed for bundling, identifying and fastening applications in harsh environments. Fast and easy to install. Resistant to abrasion, radiation, weathering corrosion and temperature extremes. Self-locking, no sharp edges and easily installed by hand or tool; order installation tool separately on page 1116. For extra protection, choose Nylon II-polyester coated 316 stainless steel ties, ordered separately below. Sold in package quantities indicated in table below.

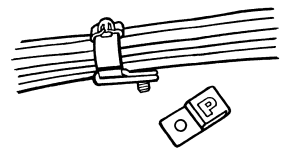
STAINLESS STEEL CABLE TIES

Mfg. Part No.	Maximum Bundle Diameter	Length	Cross-Section Tensile	Pkg. of	Stock No.	Price per Pkg.
● MLT1S-CP	1.00"	5.0"	Std. 200-lb.	100	84F1852	96.10
● MLT2S-CP	2.00"	7.9"		100	81F4590	103.33
● MLT4S-CP	4.00"	14.3"		100	94F2792	121.26
● MLT6S-CP	6.00"	20.5"		100	94F2793	181.57
● MLT2H-LP	2.00"	7.9"	Heavy 450-lb.	50	94F3105	61.36
● MLT4H-LP	4.00"	14.3"		50	81F4586	72.01
● MLT6H-LP	6.00"	20.5"		50	84F1850	107.82

NYLON II-POLYESTER COATED 316 STAINLESS STEEL CABLE TIES

● MLTFC2H-LP316	2.00"	7.9"	Heavy 250-lb.	50	52K3022	135.61
● MLTFC4H-LP316	4.00"	14.3"		50	52K3023	159.14

(6414)

STAINLESS STEEL
MOUNTS

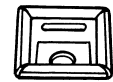
Provides an entire stainless steel attachment when used with Panduit stainless steel ties, order separately on this page. Screw-fastened. Low profile. Utilizes only one hole for mounting. Sold in packages of 100.

Mfg. Part No.	Used with Pan-Steel™ Ties	Mounting Method	Size	Stock No.	Price per Pkg.
● MTM1H-C	MLT-S/LH/H	#8 Screw	.40" x .90"	96F3458	141.03
● MTM1H10-C	MLT-S/LH/H	#10 Screw	.40" x .90"	95F5452	141.03
● MTM1H25-C	MLT-S/LH/H	1/4" Screw	.40" x .90"	95F5453	141.03

(6384)

STAINLESS STEEL 2-WAY
SCREW MOUNT

2-way mount allows stainless steel cable ties to be inserted from either of 2 sides, providing a low-profile attachment with only 1 hole for maximum holding and stability. Maximum screw head height 0.09" (2.3) ties. Used with Pan-Steel™ stainless steel ties, ordered separately on this page. Sold in packages of 25.



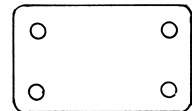
Mfg. Part No.	Used with Pan-Steel™ Ties	L x W x H	Stock No.	Price per Pkg.
● MTM2H-Q	MLT-S/LH/H	.71 (18.0) x .71 (18) x .30" (8.0)	95F5454	90.06

(6385)

NYLON MARKING PLATES



White nylon marking plates are used with miniature, intermediate and standard size nylon cable ties for permanent or temporary identification. Can be used vertical or horizontal as a wrap, tag, or flag. Mark with marking pens; ordered separately on page 1102. Can also be marked with marking machines or hot stamped. Sold in packages of 100 and 1000.



Mfg. Part No.	H x W	Pkg. of	Stock No.	Price per Pkg.
● MP150-C	0.75 x 1.50"	100	84F1913	61.96
● MP175-C	0.75 x 1.75"	100	94F2796	65.23
● MP-200-C	0.75 x 2.00"	100	94F3108	67.70
● MP250-C	0.75 x 2.50"	100	94F3109	72.88
● MP350-C	0.75 x 3.50"	100	98F029	90.03
● MP-250M	0.75 x 2.50"	1000	94F2797	456.68

(6426)

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Tech
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(94657)

WIRE & CABLE TIES

CABLE TIES

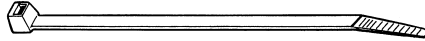


Fig. 1

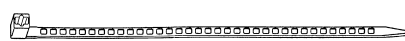


Fig. 2



VRT series is for general-purpose indoor applications. UL94V-2 rated flammability. -40°F to +185°F continuous temp. range. **VUVT series** is for general-purpose outdoor applications. UL94V-2 rated flammability. -40°F to +185°F continuous temperature range. **VHST series** for higher-temp., indoor applications. UL94V-2 rated flammability. -40°F

to +220°F continuous temp. range. **VTZT series** are for high-temp., chemical, radiation applications. -50°F to +302°F continuous temp. range. **VHRT series** for plenum wiring applications. Low smoke density. -50°F to +248°F continuous temp. range. *Order cable tie installation tools separately; go online or call. Sold in packages of quantities listed below.*

VRT SERIES, NATURAL NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							1-9				1-4
5/8"	18 lbs.	3 3/4"	0.08"	● VRT-05M-C	100	81N1693	3.73	● VRT-05M-M	1000	81N1692	19.14
3/4"	18 lbs.	4"	0.10"	● VRT-06M-C	100	78N506	3.54	● VRT-06M-M	1000	78N536	24.02
1 1/4"	18 lbs.	5 3/4"	0.10"	● VRT101M-C	100	84N1531	6.19	● VRT101M-C	1000	84N1531	6.19
2"	18 lbs.	8"	0.10"	● VRT-11M-C	100	78N517	4.37	● VRT-11M-C	1000	78N517	4.37
1 1/4"	30 lbs.	6"	0.14"	● VRT-10I-C	100	78N507	6.29	● VRT-10I-C	1000	78N507	6.29
2"	40 lbs.	8 1/2"	0.15"	● VRT-16S-C	100	78N508	10.77	● VRT-16S-C	1000	78N508	10.77
3"	40 lbs.	11 1/2"	0.15"	● 8409-0379	100	16N869	11.49	● 8409-0382	1000	16N872	99.82
4"	40 lbs.	14 1/2"	0.15"	● 8409-0385	100	16N875	12.08	● 8409-0388	1000	16N878	104.91
1 3/4"	50 lbs.	8"	0.18"	● VRT-16I-C	100	78N518	6.90	● VRT-16I-M	1000	78N531	44.06
3"	50 lbs.	11 3/4"	0.18"	● VRT-22S-C	100	78N509	16.06	● VRT-22S-M	1000	78N539	136.10
4"	50 lbs.	15 1/2"	0.18"	● VRT-36S-C	100	78N510	19.32	● VRT-36S-D	500	78N540	55.67
4"	120 lbs.	15 1/4"	0.30"	● VRT-34H-L	50	78N511	18.05	● VRT-34H-C	100	78N541	43.45
6"	175 lbs.	21"	0.35"	● 8409-0340	25	16N830	13.00	...	...	...	...
8 3/4"	120 lbs.	29 3/4"	0.30"	● 8409-0338	50	16N828	22.31	...	...	...	...

VUVT SERIES, BLACK WEATHER-RESISTANT NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							1-9				1-4
5/8"	18 lbs.	3 3/4"	0.10"	● VUVT-05M-C	100	46N2670	3.46	● VUVT-05M-M	1000	46N2679	24.62
3/4"	18 lbs.	4"	0.10"	● VUVT-06M-C	100	46N2671	3.46	● VUVT-06M-M	1000	46N2680	22.65
2"	18 lbs.	8"	0.10"	● VUVT-11M-C	100	46N2672	6.19	● VUVT-11M-M	1000	46N2681	39.25
1 1/4"	30 lbs.	6"	0.14"	● VUVT-10I-C	100	46N2673	7.20	● VUVT-10I-M	1000	46N2682	34.84
2"	40 lbs.	8 1/2"	0.15"	● VUVT-16S-C	100	46N2675	9.76	● VUVT-16S-M	1000	46N2684	54.07
3"	40 lbs.	11 1/2"	0.15"	● 8409-0380	100	16N870	14.46	● 8409-0383	1000	16N873	99.82
4"	40 lbs.	14 1/2"	0.15"	● 8409-0386	100	16N876	16.41	● 8409-0389	1000	16N879	119.21
1 3/4"	50 lbs.	8"	0.18"	● VUVT-16I-C	100	46N2674	8.22	● VUVT-16I-M	1000	46N2683	64.45
3"	50 lbs.	11 1/4"	0.18"	● VUVT-22S-C	100	46N2676	24.55	● VUVT-22S-M	1000	46N2685	136.10
4"	50 lbs.	15 1/2"	0.18"	● VUVT-36S-C	100	46N2677	23.88	● VUVT-36S-D	500	46N2686	55.67
4"	120 lbs.	15 1/4"	0.30"	● VUVT-34H-L	50	46N2678	16.72	● VUVT-34H-C	100	46N2687	31.98
8 3/4"	120 lbs.	29 3/4"	0.30"	● 8409-0339	50	16N829	26.22	...	...	...	...

VHST SERIES, BLACK HEAT-STABILIZED NYLON % TIES - FIG. 1

Bundle Diameter	Tensile Strength	Length	Width	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.	Mfg. Part No.	Pkg. of	Stock No.	Price per Pkg.
							1-9				1-9
5/8"	18 lbs.	3 3/4"	0.08"	● 8409-0365	100	16N855	3.63	● 8409-0366	1000	16N856	20.11
3/4"	18 lbs.	4"	0.10"	● 8409-0367	100	16N857	3.46	● 8409-0368	1000	16N858	24.62
1 1/4"	18 lbs.	5 3/4"	0.10"	● 8409-0369	100	16N859	4.60	● 8409-0370	1000	16N860	31.72
2"	18 lbs.	8"	0.10"	● 8409-0372	100	16N862	4.83	● 8409-0374	1000	16N864	35.31
1 1/4"	30 lbs.	6"	0.14"	● 8409-0375	100	16N865	4.67	● 8409-0376	1000	16N866	36.59
2"	40 lbs.	8 1/2"	0.15"	● 8409-0377	100	16N867	7.99	● 8409-0378	1000	16N868	51.06
3"	40 lbs.	11 1/2"	0.15"	● 8409-0381	100	16N871	12.07	● 8409-0384	1000	16N874	97.06
4"	40 lbs.	14 1/2"	0.15"	● 8409-0387	100	16N877	13.69	● 8409-0390	1000	16N880	125.13
1 3/4"	50 lbs.	8"	0.18"	● 8409-0391	100	16N881	7.99	● 8409-0392	1000	16N882	51.06
3"	50 lbs.	11 3/4"	0.18"	● 8409-0393	100	16N883	16.86	● 8409-0394	1000	16N884	132.29
4"	50 lbs.	15 1/2"	0.18"	● 8409-0395	100	16N885	17.72	● 8409-0396	500	16N886	108.41

VTZT SERIES, AQUA BLUE TEFZEL® TIES - FIG. 1

Mfg. Part No.	Bundle Dia.	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg.
							1-9
● 8409-0360	3/4"	9 lbs.	4"	0.10"	100	16N850	82.55
● 8409-0361	1 1/4"	30 lbs.	8"	0.18"	100	16N851	87.57

VHRT SERIES, RED HALAR® TIES - FIG. 1

● 8409-0358	7/8"	14 lbs.	4"	0.10"	100	16N848	46.36
● 8409-0359	1 3/4"	40 lbs.	8"	0.18"	100	16N849	87.57

LADDER TIES - FIG. 2

Not tool installable.

1703	1 3/4"	40 lbs.	7"	0.14"	100	92N3613	6.19
1704	3"	40 lbs.	11"	0.14"	100	92N3614	11.00

(6487)

WIRE & CABLE TIES

VOLTREX™ BRAND CABLE TIES



Fig. 1 - Screw Mount



Fig. 2 - Push Mount



Fig. 3 - Flag/Marker Tie



Fig. 4 - Flag/Marker Tie

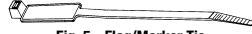


Fig. 5 - Flag/Marker Tie

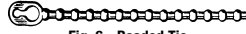


Fig. 6 - Beaded Tie



Fig. 7 - Standard Releasable



Fig. 8 - Quick Releasable

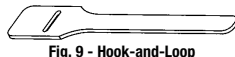


Fig. 9 - Hook-and-Loop

VOLTREX®
brand

VMT SERIES, NATURAL NYLON % SCREW MOUNT TIES - FIG. 1

Ties secure wire bundles with a common screw and pre-drilled hole. Sold in package quantities indicated below.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Screw Size	Pkg. of	Stock No.	Price per Pkg.
8409-0342	3/4"	18 lbs.	4 1/4"	0.10"	#4	100	16N832	9.47
8409-0344	1 1/4"	30 lbs.	6 1/4"	0.14"	#8	100	16N834	10.41
8409-0345	1 1/4"	30 lbs.	6 1/4"	0.14"	#8	1000	16N835	97.02
8409-0346	1 1/2"	50 lbs.	6 3/4"	0.18"	#10	100	78N512	15.56
8409-0347	1 1/2"	50 lbs.	6 3/4"	0.18"	#10	1000	16N836	127.90
8409-0347	4"	120 lbs.	16 1/4"	0.30"	3/4"	50	16N837	15.25

VPMT SERIES, NATURAL NYLON % PUSH MOUNT TIES - FIG. 2

Ties snap into a pre-drilled hole.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Hole Size	Pkg. of	Stock No.	Price per Pkg.
8409-0348	1 1/4"	30 lbs.	6 1/2"	0.14"	0.187"	100	16N838	10.98

VFMT SERIES, NATURAL NYLON %, FLAG AND MARKER TIES - FIGS. 3, 4, 5

Ties bundle and identify wires. Can be marked with type TNMP-0 SPC marker pen; order separately; go online or call.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Fig.	Pkg. of	Stock No.	Price per Pkg.
8409-0352	3/4"	18 lbs.	4"	0.10"	3	100	16N842	9.47
8409-0353	3/4"	18 lbs.	4"	0.10"	3	1000	16N843	95.23
8409-0354	3/4"	18 lbs.	4 1/4"	0.10"	4	100	16N844	9.47
8409-0355	3/4"	18 lbs.	4 1/4"	0.10"	4	1000	16N845	88.17
8409-0356	1 1/4"	50 lbs.	8"	0.18"	5	100	16N846	13.73
8409-0357	1 1/4"	50 lbs.	8"	0.18"	5	1000	16N847	127.90

COLORED BEADED TIES - FIG. 6

Wrap around wire bundle thread through specially designed loop, pull tight, and lock in place. To add more to bundle, open the tie, add wires, and refasten. High-dielectric strength makes beaded ties perfect for electrical harnesses. Not tool installable.

Mfg. Part No.	Length	Color	Material	Pkg. of	Stock No.	Price per Pkg.
BTP-4-RED	4"	Red	Polyethylene	100	32N692	6.40
BTP-4-YEL	4"	Yellow	Polyethylene	100	32N1250	6.40
BTP-4-BLU	4"	Blue	Polyethylene	100	32N1251	6.40
BTN-4-WHT	4"	White	Polyethylene	100	32N1267	6.30
BTP-6-RED	6"	Red	Nylon	100	23N3683	10.91
BTP-6-YEL	6"	Yellow	Polyethylene	100	23N3684	10.91
BTP-6-BLU	6"	Blue	Polyethylene	100	23N3685	10.91
BTN-6-WHT	6"	White	Polyethylene	100	23N3686	10.39
BTP-8-RED	8"	Red	Nylon	100	23N3687	14.34
BTP-8-YEL	8"	Yellow	Polyethylene	100	23N3688	14.34
BTP-8-BLU	8"	Blue	Polyethylene	100	23N3689	14.34
BTN-8-WHT	8"	White	Polyethylene	100	23N3690	13.68
BTP-10-BLU	10"	Blue	Polyethylene	100	23N3693	17.49
BTN-10-WHT	10"	White	Nylon	100	23N3694	16.69

VRTR SERIES, NATURAL NYLON STANDARD RELEASABLE TIES - FIG. 7

Ideal for applications that require changing or repair. Tie is easily removed by depressing protruding tab in head. Not tool installable.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg.
VRTR-12S-C	1 1/2"	50 lbs.	6"	0.19"	100	81N1697	7.95
VRTR-16S-C	2"	50 lbs.	8"	0.19"	100	81N1699	9.26
VRTR-32S	4"	50 lbs.	15 1/2"	0.18"	100	95N3331	27.93

NATURAL NYLON QUICK RELEASABLE TIES - FIG. 8

Releasable, adjustable and reusable. Tie releases by simply pressing tab with finger; no tools required. Not tool installable.

Mfg. Part No.	Bundle Diameter	Tensile Strength	Length	Width	Pkg. of	Stock No.	Price per Pkg.
SPC11488	2"	40 lbs.	8"	0.21"	100	36C2862	17.96
2603	2 1/2"	40 lbs.	10 1/2"	0.21"	100	92N4818	27.12

▶ CONTINUED ▶

VOLTREX™ BRAND CABLE TIES (CONT.)

BLACK HOOK-AND-LOOP RELEASABLE TIES - FIG. 9

Easy to wrap and unwrap. Ideal for power cords, extension cords, and computer cable. Not tool installable. Other colors available; go online or call.

Mfg. Part No.	Bundle Diameter	Length	Width	Pkg. of	Stock No.	Price per Pkg.
8408-0418	1"	6"	1 1/2"	10	16N981	10.08
8408-0419	1 1/2"	8"	1 1/2"	10	16N982	11.28
8408-0420	2 1/2"	11"	1 1/2"	10	16N983	13.36
8408-0421	3 1/2"	15"	3/4"	10	16N984	32.27

(6488)

DOUBLE-SIDED WIRE TIES



Natural Nylon



Black UV-Resistant Nylon

- Flexible Nylon Allows Ties to Remain Serviceable Through Temperature Ranges of -40° to +185°F (40° to 85°C)
- Recognized Under Component Program of UL E125869
- Ultraviolet Black Ties Resistant to Degradation by Ultraviolet Rays
- Meets Military Specification MS3367
- Meets Flammability Classification UL 94 V-2

NATURAL NYLON

Mfg. Part No.	Bundle Diameter (in.)	Tensile Strength (lbs.)	Length (in.)	Pkg. of	Stock No.	Price per Pkg.
SPC12196	2	75	8	100	06H1727	3.06
SPC12197	2	75	8	1000	06H1728	26.42
SPC12198	3	75	11	100	06H1729	4.36
SPC12199	3	75	11	1000	06H1730	38.33
SPC12200	4	75	14	100	06H1731	5.88
SPC12201	4	75	14	1000	06H1732	52.74
SPC12202	4	120	15	50	06H1733	6.08
SPC12203	4	120	15	100	06H1734	12.15

BLACK UV-RESISTANT NYLON

SPC12204	2	75	8	100	06H1735	3.91
SPC12205	2	75	8	1000	06H1736	34.76
SPC12206	3	75	11	100	06H1737	4.49
SPC12207	3	75	11	1000	06H1738	39.57
SPC12208	4	75	14	100	06H1739	6.03
SPC12209	4	75	14	1000	06H1740	54.24
SPC12210	4	120	15	50	06H1741	6.23
SPC12211	4	120	15	100	06H1742	12.45

(74116)

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(94653)

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WIRE & CABLE TIES

VOLTREX™ BRAND CABLE TIES

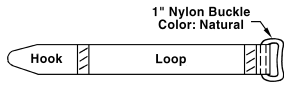


Fig. 1 - D-Ring Hook-and-Loop

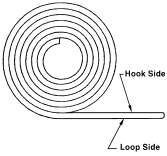


Fig. 2 - Hook-and-Loop Rolls



Fig. 3 Twist-Lock

D-RING HOOK-AND-LOOP RELEASABLE TIES - FIG. 1

Allows for easy bundling of cable for permanent or temporary use. Woven nylon tie with 1" nylon D-ring buckle for easy cinching. Releasable, adjustable, and reusable. Operating temperature: 120°. Not tool installable. **Sold in multiples of 10.**

Mfg. Part No.	Color	Bundle Diameter	Length	Width	Stock No.	Price Each
● SPC5345	Black	2"	9"	1"	50N928	2.76
● SPC5352	Black	3"	12"	1"	50N935	2.89
● SPC5359	Black	4"	15"	1"	50N942	3.01
● SPC5366	Black	5"	20"	1"	50N949	3.33
● SPC5373	Black	6 1/2"	24"	1"	50N956	3.38
● SPC5354	Red	3"	12"	1"	50N937	2.89
● SPC5361	Red	4"	15"	1"	50N944	3.01
● SPC5348	Blue	2"	9"	1"	50N931	2.76
● SPC5355	Blue	3"	12"	1"	50N938	2.89
● SPC5362	Blue	4"	15"	1"	50N945	3.01
● SPC5376	Blue	6 1/2"	24"	1"	50N959	3.38

HOOK-AND -LOOP ROLLS - FIG. 2

Create the cable tie size required by cutting only the length needed and saving the remainder for future use. Low-density polyethylene hook with durable nylon knit loop. Releasable, adjustable, and reusable. Choose from 6 popular colors. Operating temperature: 120°. Individually wrapped. Not tool installable. **Sold in 15' rolls.**

Mfg. Part No.	Color	Bundle Diameter	Length	Width	Stock No.	Price per Roll
● SPC5325	Black	Various	15'	1"	50N691	12.74
● SPC5326	Blue	Various	15'	1"	50N692	16.72
● SPC5327	Red	Various	15'	1"	50N693	19.00
● SPC5328	Green	Various	15'	1"	50N694	19.00
● SPC5380	Orange	Various	15'	1"	50N963	19.00
● SPC5329	Yellow	Various	15'	1"	50N695	19.00

TWIST-LOCK NYLON TIES - FIG. 3

Nylon 6/6 twist-type ties are ideal for wire bundling and a variety of other applications. Easy to use and reuse. Simply twist to secure wire bundles and untwist to unwrap. UL recognized. **Sold in packages of 100.**

Mfg. Part No.	Diameter	Color	Stock No.	Price per Pkg.
● TWT-3	0.20-0.30"	Natural	78N594	6.63
● TWT-3-CG GRN	0.20-0.30"	Green	90N6331	6.87
● TWT-4	0.30-0.40"	Natural	78N595	7.05
● TWT-4-CB BLUE	0.30-0.40"	Blue	90N6332	7.34
● TWT-5	0.40-0.50"	Natural	78N596	7.90
● TWT-8	0.70-0.80"	Natural	78N597	9.26
● TWT-8-CY YEL	0.70-0.80"	Yellow	90N6333	9.59

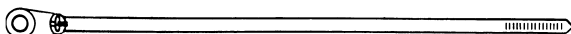
KURLY-LOK NYLON TIES - FIG. 4

Nylon 6/6 twist-type ties fasten and release with a fingertip twist. Easy to use and reuse. Rounded edges prevent abrasion. Holds up to 20 lbs. tensile strength. UL recognized. **Sold in package quantities listed below.**

Mfg. Part No.	Bundle Diameter	Color	Pkg. of	Stock No.	Price per Pkg.
● 8408-0934	0.20-0.30"	Blue	1000	16N2823	52.56
● 8408-0935	0.30-0.40"	Orange	1000	16N2824	56.94
● LWT-6-NATURAL	0.55-0.65"	Natural	100	92N9073	67.68
● 8408-0933	0.55-0.65"	Black	1000	16N8046	71.14

(60970)

CLAMP TY-RAP® CABLE STRAPS



Mfg. Part No.	Length (in.)	Max. Bundle Diam. (in.)	Screw Size	Min. Unlocking Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg.
● TY533M	4.0	0.625	4	18	100	31F2722	42.75
● TY34M	6.0	1.125	8	40	100	31F2661	41.87
● TY535M	7.8	1.750	10	50	100	31F2662	46.40

(6453)

TY-RAP® SELF-LOCKING NYLON 6.6 CABLE TIES



Fig. 1



Fig. 2

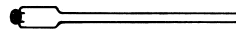


Fig. 3

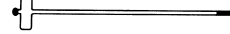


Fig. 4

Available in:

- Natural Nylon 6.6
- Black, weather- and ultraviolet-resistant Nylon 6.6 for outdoor use
- Multi-color Nylon 6.6 assortment

Features:

- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Adjustable design for a perfect fit
- Temperature rating: 40°F to 185°F
- Flammability rating: UL94V-2
- Meet MIL Spec. MS3367-5 (Natural and Black only)

Sold in package quantities indicated in tables below, except *sold as each.

Fig. 5

NATURAL TY-RAP® SELF-LOCKING TIES, 18 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Pkg. of 100		Mfg. Part No.	Pkg. of 1000	
				Stock No.	Price per Pkg.		Stock No.	Price per Pkg.
3.6	.091	0.63	● TY523M	31F2658	19.96	● TY23M	31F2654	43.00
7.0	.091	1.50	● TY52315M	10F8228	26.56	● TYB2315M	10F8218	60.11
8.0	.091	2.00	● TY5232M	31F2713	27.85	● TY232M	31F2650	64.35
14	.091	4.00	● TY5234M	31F2714	40.55	● TY234M	31F2651	82.21

NATURAL TY-RAP® SELF-LOCKING TIES, 40 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
5.5	.140	1.13	● TY524M	31F2659	23.02	● TY24M	31F2524	66.32
8.2	.140	2.00	● TY5242M	31F2715	33.75	● TY242M	31F2652	60.27
11.1	.140	3.00	● TY526M	31F2716	42.66	● TY26M	31F2605	130.79
14.5	.140	4.00	● TY5244M	31F2717	60.45	● TY244M	31F2653	239.03

NATURAL TY-RAP® SELF-LOCKING TIES, 50 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
7.3	.184	1.75	● TY525M	31F2660	29.09	● TY25M	31F269	77.49
11.6	.184	3.00	● TY5253M	10F8229	59.38	● TY253M	10F8219	205.41
14.2	.184	4.00	● TY528M	31F2718	66.91	● TY28M	31F2502	191.06

NATURAL TY-RAP® SELF-LOCKING TIES, 120 LBS. TENSILE STRENGTH — FIG. 1

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
8.8	.301	2.00	● TY5272M	10F8230	35.93	...	...	...
13.4	.301	3.50	● TY527M	31F2719	50.15	● TY27M	31F2501	204.04
18.0	.270	5.00	● TY5275M	93F7726	61.85	● TY275M	93F7728	298.99
24.3	.270	7.00	● TY5277M	93F7727	82.24	● TY277M	93F7729	251.08
9.00	.301	9.00	● TY529M	31F2720	74.29	● TY29M	31F2721	413.62

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 18 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
3.6	.091	0.63	● TY523MX	94F1680	26.14	● TY23MX	94F1675	63.23
7.0	.091	1.50	● TY52315MX	94F2984	21.11	● TYB2315MX	46M2524	63.83
8.0	.091	2.00	● TY5232MX*	50B8051	0.21	● TY232M-X	50B7995	66.30
14	.091	4.00	● TY5234MX	88F5440	35.23	● TY234MX	46M2525	116.18

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 40 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
5.5	.140	1.13	● TY524MX	94F1346	18.71	● TY24MX	99F3071	68.68
8.2	.140	2.00	● TY5242MX	94F2985	42.89	● TY242MX	94F6329	77.70
11.1	.140	3.00	● TY526MX	90F6112	37.76	● TY26MX	10WX3014	222.89
14.5	.140	4.00	● TY5244MX*	98F7566	0.50	● TY244MX	83F2886	277.20

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 50 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
7.3	.184	1.75	● TY525MX	70B878	31.14	● TY25MX	98F5905	99.43
11.6	.184	3.00	● TY5253MX	94F2986	65.40	● TY253MX	98F5854	183.15
14.2	.184	4.00	● TY528MX	94F1682	71.69	● TY28MX	98F3601	276.75

BLACK, WEATHER-RESISTANT TY-RAP® SELF-LOCKING TIES, 120 LBS. TENSILE STRENGTH — FIG. 2

Tie Body Lgth. (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Mfg. Part No.	Stock No.	Price per Pkg.	Mfg. Part No.	Stock No.	Price per Pkg.
8.8	.301	2.00	● TY5272MX	94F1347	21.15	...	...	...
13.4	.301	3.50	● TY527MX	94F1681	53.01	● TY27MX	94F1678	254.38
18.0	.270	5.00	● TY5275MX	01F432	46.81	● TY275MX	94B6881	307.80
24.3	.270	7.00	● TY5277MX	88F1571	62.28	● TY277MX*	07H2461	0.76
9.00	.301	9.00	● TY529MX	90F6113	47.48	● TY29MX	98F8958	585.06

▶ CONTINUED ▶

WIRE & CABLE TIES

TY-RAP® SELF-LOCKING NYLON 6.6 CABLE TIES (CONT.)

NATURAL TY-RAP® IDENTIFICATION CABLE TIES

Mfg. Part No.	Fig.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price per Pkg. 1-4
● TY546M	3	7.1	0.184	1.750	50	100	31F2663	91.36
● TY548M	3	14.2	0.184	4.000	50	100	10F8231	91.87
● TY51M	4	3.6	0.091	0.625	18	500	31F2530	89.90

MULTI-COLOR TY-RAP® CABLE TIE ASSORTMENT — FIG. 5

Ty-Rap® self-locking cable tie multi-color assortment for use in commercial or industrial applications. Ideal for bundling cable where fastening is required to match equipment or used for identification purposes. Conveniently bagged, 100 standard cable ties to a package, 10 of each color: black, brown, red, orange, yellow, green, blue, purple, gray and white. Constructed of Nylon 6.6 with stainless steel locking device. All cable ties are 7.31"L x 0.184"W, have a 1.75" max. wire bundle diameter and 50-lb. max. tensile strength. **Sold in packages of 100.**

Mfg. Part No.	Description	Stock No.	Price per Pkg. 1-24
● TY525M-CLRS*	Ty-Rap® Cable Tie Multi-Color Assortment	41J8354	0.26

(6452)

TY-GRIP™ FASTENERS

Thomas & Betts



Loop Tie



Buckle Tie



Rolled Hook & Loop

Handy ties are very easy to release and reuse, making them ideal for applications where changes are anticipated or continuous access is required. **Sold in package quantities indicated below.**

Mfg. Part No.	Max. Bundle Diam.	Length	Minimum Tensile Strength	Description	Pkg. of	Stock No.	Price per Pkg. 1-4
F0200-40-0	2.00"	9.00"	40 lbs.	Loop Ties	10	48F3162	15.27
F0350-40-0	3.50"	13.00"	40 lbs.	Loop Ties	10	48F3164	20.42
F0L300-50-0	3.00"	12.00"	50 lbs.	Buckle Ties	10	48F3166	22.82
F0L500-50-0	5.00"	18.00"	50 lbs.	Buckle Ties	10	48F3167	29.32
F0R180-50-0	Various	180.00"	50 lbs.	Rolled Hook and Loop	1	48F3171	3.29

(39371)

TY-RAP® DETECTABLE CABLE TIES

Just Added

Thomas & Betts

- Detectable by metal detectors, x-ray equipment and visual detection equipment
- Rated to 1.5mm ferrous sphere
- Nylon 6.6 patent-pending detectable compound
- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Adjustable design for a perfect fit
- Bright blue for easy visual detection



Ty-Rap® detectable cable ties are the perfect alternative to using expensive stainless steel fasteners. Ideal for food and beverage processing, pharmaceutical production, chemical and compounds manufacturing, tobacco processing, tie and airbag manufacturing and any other industry sensitive to contamination using detection equipment. Made from Nylon 6.6 but incorporating a unique, patent-pending compound that's detectable by metal detectors and x-ray equipment. Flammability rating: UL94V-2. Maximum operating temperature: 185°F/85°C. **Sold in package quantities indicated in tables below.**

Mfg. Part No.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price Each 1-24
● TY523M-NDT	3.62	0.093	0.625	18	100	22M2103	0.21
● TY525M-NDT	7.31	0.185	1.750	50	100	21M5354	0.25
● TY527M-NDT	13.40	0.270	3.500	120	50	22M2104	0.84
● TY528M-NDT	14.20	0.187	4.000	50	100	22M2105	0.57

(93073)

TY-RAP® EXTRA HIGH- TEMPERATURE CABLE TIES

Just Added

Thomas & Betts

- High-temperature, heat-stabilizing Nylon 4.6
- Oval, low-profile head and smooth molded body strap
- Stainless steel locking device for superior holding power
- Unlimited tensioning range for a perfect fit
- Light green color



Ty-Rap® extra high-temperature cable ties are designed to withstand extended usage in extra high-temperature environments. Made tough for industrial OEM and MRO and commercial construction applications. Flammability rating: UL94V-2. Temperature rating: -40°F/-40°C to 302°F/150°C. **Sold in package quantities indicated in tables below.**

Mfg. Part No.	Tie Body Length (in.)	Tie Body Width (in.)	Max. Bundle Dia. (in.)	Tensile Strength (lbs.)	Pkg. of	Stock No.	Price Each 1-24
● TYHT23M	3.62	0.093	0.625	18	1000	48K5630	1.33
● TYHT25M	7.31	0.185	1.75	50	1000	48K5631	1.37
● TYHT27M	13.40	0.270	3.50	120	500	48K5632	5.89
● TYHT28M	14.20	0.184	3.50	50	1000	48K5633	4.00

(93067)

TY-RAP TOTE® CABLE TIE DISPENSERS

Just Added

Thomas & Betts

- No more dropped or lost cable ties!
- Easy, one-handed access to cable ties
- Rugged polyester-and-vinyl construction
- Conveniently clips to belt or tool pouch
- Bright blue color for high visibility



TY-TOTE-23 for 4" Ties



TY-TOTE-25 for 8" Ties

Ty-Rap Tote® cable tie dispenser feature openings for easy access to cable ties. Handy belt clip and chrome steel loop for easy attachment. Secure flap closure keeps cable ties neat and at hand. Choice of 3 sizes to hold 4", 8" or 11" to 14" combination length cable ties. Each Ty-Rap Tote® includes 100 Ty-Rap® standard nylon cable ties.

Mfg. Part No.	Description	Stock No.	Price Each 1-9
● TY-TOTE-23	Ty-Rap Tote® Cable Tie Dispenser for 4" Long Ties	48K5629	16.63
● TY-TOTE-25	Ty-Rap Tote® Cable Tie Dispenser for 8" Long Ties	99H3087	22.04
● TY-TOTE-28	Ty-Rap Tote® Cable Tie Dispenser for 11"-14" Long Ties	67K9575	47.18

(93074)

STAINLESS STEEL LOW-PROFILE CABLE TIES

Thomas & Betts



- Locking Roller Bar Allows 55% Less Slippage Than Conventional Lock Designs
- Smaller Buckle Creates Low Profile To Reduce Snagging
- Tensile Strength: 150 lbs.

Sold in Packages of 100.

Mfg. Part No.	Dimensions		Stock No.	Price per Pkg.
	Width	Length		1-4
TS-4.6-200B	0.18"	8.8"	25C1075	191.41
TS-4.6-360B	0.18"	15.3"	25C1076	245.19
TS-4.6-520B	0.18"	21.3"	25C1077	265.43
TS-4.6-680B	0.18"	27.8"	25C1078	342.34
TS-4.6-840B	0.18"	33.8"	25C1079	427.64

(68787)



(94639)

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CABLE MANAGEMENT

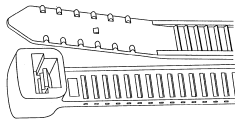
● Indicates RoHS Compliant

WIRE & CABLE TIES • WIRE & CABLE TIES TOOLS

TY-FAST™ CABLE TIES



Thomas & Betts



Nylon 6 design lowers installation costs and provides features to ease fastening for harness fabrication and wire bundling in the manufacturing environment. Integrally formed nylon pawl combines low insertion and high locking strength. Rounded, low-profile head reduces number of snags. Tails have 2-sided finger-grip design that helps the operator grasp and pull ties snug. "Sure Grip" tab keeps tail from popping out while being threaded, then holds it securely for final tightening by hand or tool. Quick, easy pull-through increases productivity and reduces operator fatigue. Smooth edges prevent damage to wire insulation, reducing the opportunity for shorting. Color: natural (standard) or black (outdoor weatherable). Temperature range: -40°F to +185°F. Sold in package quantities indicated below.

STANDARD CABLE TIES

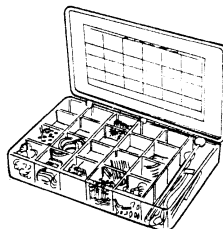
Mfg. Part No.	Max. Bundle Diam.	Tie Body Width	Length	Minimum Tensile Strength	Pkg. of	Stock No.	Price per Pkg. 1-4
● TY075-18	0.75"	0.095"	3.60"	18 lbs.	1000	16F1186	23.89
● TY125-18	1.25"	0.095"	5.34"	18 lbs.	1000	16F1187	54.91
● TY125-40	1.25"	0.140"	5.60"	40 lbs.	1000	16F1188	60.98
● TY175-50	1.75"	0.184"	7.30"	50 lbs.	1000	91F3215	69.08
● TY200-18	2.00"	0.095"	7.75"	18 lbs.	1000	16F1189	64.07
● TY200-40	2.00"	0.140"	8.00"	40 lbs.	1000	16F1190	61.54
● TY300-40	3.00"	0.140"	11.40"	40 lbs.	1000	16F1192	114.37
● TY300-50	3.00"	0.184"	11.40"	50 lbs.	1000	16F1193	105.58
● TY400-50	4.00"	0.184"	14.30"	50 lbs.	1000	16F1194	139.05

OUTDOOR WEATHERABLE CABLE TIES

● TY075-18X	0.75"	0.095"	3.60"	18 lbs.	1000	16F1196	46.65
● TY125-18X	1.25"	0.095"	5.34"	18 lbs.	1000	16F1197	60.69
● TY125-40X	1.25"	0.140"	5.60"	40 lbs.	1000	16F1198	67.63
● TY175-50X	1.75"	0.184"	7.30"	50 lbs.	1000	16F1203	63.87
● TY200-40X	2.00"	0.140"	8.00"	40 lbs.	1000	16F1200	60.68
● TY300-40X	3.00"	0.140"	11.40"	40 lbs.	1000	16F1202	154.25
● TY400-50X	4.00"	0.184"	14.30"	50 lbs.	1000	16F1205	186.53
● TY400-120X	4.00"	0.301"	14.30"	120 lbs.	500	16F1206	144.01

(15440)

CABLE TIE AND MOUNT KIT



KP509

Mfg. part no. KP509 kit contains over 600 pieces including PAN-TY® cable ties (in different styles, sizes, colors, and materials), 25 different cable tie mounts, and 30 different wiring accessories. Ideal for prototyping and new product development. Packaged in a sturdy plastic storage box. Mfg. part no. KP507 kit contains over 700 pieces of fixed diameter cable clamps, as detailed in the table below. Size range: 0.12" to 1.25" bundle capacity.

MFG. PART NO. KP507 KIT CONTENTS

(75) CCS12-S8	(25) CCS50-S8	(25) CCH44-S10	(10) CCH81-S10
(75) CCS10-S8	(70) CCH12-S10	(25) CCH50-S10	(10) CCH87-S10
(50) CCS25-S8	(50) CCH19-S10	(25) CCH56-S10	(5) CCH100-S10
(50) CCS31-S8	(45) CCH25-S10	(15) CCH62-S10	(5) CCH112-S10
(35) CCS38-S8	(35) CCH31-S10	(10) CCH69-S10	(5) CCH119-S10
(25) CCS44-S8	(25) CCH38-S10	(10) CCH75-S10	(5) CCH125-S10

(6429)

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(94640)

CABLE TIE INSTALLATION TOOLS WITH CONTROLLED TENSION AND CUT-OFF



GTS



GTH

- Provide flush cut-off of cable tie, which limits exposure to sharp edges
- Tool controlled tension and cut-off provides consistent results and speeds installation to lower installed cost

Mfg. Part No.	Description	Construction	Stock No.	Price Each
GTS	Installs subminiature, miniature, intermediate and standard cross-section cable ties	Ergonomic designed gray molded plastic housing with black selector knob and black trigger handle	98B5644	180.53
GTH	Installs standard, heavy-standard, light-heavy and heavy cross-section cable ties	Ergonomic designed gray molded plastic housing with red selector knob and red trigger handle	49H4343	335.42
GS2B	Installs miniature, intermediate and standard cross section cable ties	Gray all-metal housing with black selector knob and black trigger handle	78F547	228.79
GS4H	Installs standard, heavy-standard, light-heavy and heavy cross-section cable ties	Gray all-metal housing with red selector knob and red trigger handle	78F566	392.05

(6422)

INSTALLATION TOOLS



ST2MT



GS4MT

For standard, light-heavy and heavy cross-section PAN-STEEL™ stainless steel ties, ordered separately on page 1111. When installing over resilient objects mfg. part no. GS4MT automatically tensions and cuts off the flush when predetermined tension is reached. Mfg. part no. ST2MT enables the installer to control tension, twist and cut off. More Panduit cable tie installation tools available on this page.

Mfg. Part No.	Description	Stock No.	Price Each
GS4MT	Cable Tie Installation Tool	94F3097	707.74
ST2MT	Cable Tie Installation Tool	94F3151	304.58

(6457)

CABLE TIE INSTALLER-CONTROLLED TENSION AND CUT-OFF TOOLS



STS2



STH2

- Economical tools for maintenance or construction applications
- Control tie tension by squeezing tool handle
- Reduce tension slightly, twist tool ¼ turn in either direction to cut off excess cable tie

Inexpensive, maintenance-free, all-purpose tools for low-volume applications. Ergonomic handle design and short handle span. Top-loading feature for right or left-handed users. Use with the full line of Panduit® cable ties.

Mfg. Part No.	Description	Color	Stock No.	Price Each
STS2	Installs miniature, intermediate and standard cross-section cable ties	Black	81F4588	28.09
STH2	Installs standard, heavy-standard, light-heavy and heavy cross-section cable ties	Red	81F4589	38.36

(83945)

WIRE & CABLE TIES TOOLS • WIRE IDENTIFICATION & MARKING SYSTEMS

PAN-WRAP™ SPLIT
HARNES WRAP AND TOOL

- Installation tool with 180° opening
- Unique engineered slot pattern
- Provides for easy wire or cable breakouts
- One size accommodates a wide range of bundle diameters

Mfg. Part No.	Nom. Size I.D. In.	Min. Bundle Diameter In.	Max. Bundle Diameter In.	Length	Pkg. Qty.	Stock No.	Price per Roll
● PW50F-T	.50	.43	.55	200	1	66H3687	249.03
● PW75F-C	.75	.66	.81	100	1	66H3688	175.55
● PW50F-T20	.50	.43	.55	200	1	03H3282	273.52
● PW75FC20	.75	.66	.81	100	1	57H7136	193.92

*Order number of reels required
 †Diameter can be further reduced with the use of cable ties

ACCESSORIES

Mfg. Part No.	Color	For Use With	Pkg. Qty.*	Stock No.	Price Each
● PWT50	White	Mfg. Part No. PW50F	1	04H0467	9.08
● PWT75	White	Mfg. Part No. PW75F	1	32H7230	9.49

*Order number of tools required
 (79576)

TY-RAP® CABLE TIE INSTALLATION
TOOLS AND MARKING PEN

Thomas®Betts



Ty-Rap® ergonomic-designed cable tie installation tools reduce user stress and strain. 360° rotating nose enables operation from any position. Front-access tension-adjustment wheel permits fast, easy changes. Feature an automatic cutting mechanism and orange and black comfort-grip handle. **Mfg. part no. ERG50** tool installs nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide. **Mfg. part no. ERG120** tool installs nylon cable ties 50-120 lbs. tension, 0.184-0.301" wide.

Mfg. Part No.	Description	Stock No.	Price Each
ERG50	Ty-Rap® Ergonomic Cable Tie Tool, 18-50 lbs. Tension	22M0151	169.77
ERG120	Ty-Rap® Ergonomic Cable Tie Tool, 18-120 lbs. Tension	22M0150	315.46

Mfg. part no. WT193A Ty-Rap® heavy-duty metallic cable tie installation tool for nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide. Features adjustable tension setting and automatic cutting once desired tension has been reached. Tool size: 7.17"L x 5.31"W. **Mfg. part no. WT197** Ty-Rap® rugged metallic cable tie installation meets military spec. MS90387-2. Ideal for nylon cable ties 50-120 lbs. tension, 0.184-0.301" wide. Features adjustable tension setting and automatic cutting once desired tension has been reached. Tool size: 6.50"L x 5.31"W.

Mfg. Part No.	Description	Stock No.	Price Each
WT193A	Ty-Rap® Heavy-Duty Metallic Cable Tie Tool, 18-50 lbs. Tension	31F2657	213.11
WT197	Ty-Rap® MIL-Spec Metallic Cable Tie Tool, 50-120 lbs. Tension	34F1254	394.66

These Ty-Rap® lightweight basic tensioning tools (twist-and-cut) are intended for maintenance and small batch use. Features manual cutting mechanism. Tool size: 5.28"L x 2.17"W. **Mfg. part no. WT2-TB** tool installs cable ties 50-120 lbs. tension, 0.184-0.301" tie wide. **Mfg. part no. WT1-TB** tool installs nylon cable ties 18-50 lbs. tension, 0.094-0.184" wide.

Mfg. Part No.	Description	Stock No.	Price Each
WT1-TB	Ty-Rap® Lightweight Cable Tie Tool, 18-50 lbs. Tension, Orange	31F2639	33.53
WT2-TB	Ty-Rap® Lightweight Cable Tie Tool, 50-120 lbs. Tension, Black	34F1256	45.72

Mfg. part no. WT163M-1 nylon marking pen permanently mark Ty-Rap® cable ties, straps and other nylon items.

Mfg. Part No.	Description	Stock No.	Price Each
● WT163M-1	Black Marking Pen	31F2507	13.26

(6455)

SDR SERIES SCOTCHCODE™ WIRE
MARKER TAPE REFILLS FOR WIRE MARKER
TAPE DISPENSER

5.5-mil high-tack adhesive epoxy film tape adheres to clean neoprene, hypalon, nylon, PVC insulation materials. Resists oil and water. Meets UL 510 flame-retardant specifications. Tape rolls available in consecutive 0-9 number combination, multiple colors, and in individual numbers and individual colors listed in table below. Alphabet also available; for example, to order "A" use **mfg. part no. SDR-A**. Each roll is 0.215" x 8". Order wire marker tape dispensers separately on this page.



Mfg. Part No.	Description	Stock No.	Price per Roll
● SDR-0	0	44F3234	1-24
● SDR-1	1	44F3235	2.92
● SDR-2	2	44F3236	2.92
● SDR-3	3	44F3237	2.92
● SDR-4	4	44F3238	2.92
● SDR-5	5	44F3239	2.92
● SDR-6	6	44F3240	2.92
● SDR-7	7	44F3241	2.92
● SDR-8	8	44F3242	2.92
● SDR-9	9	44F3243	2.92
● SDR-0-9	0-9	95B2931	2.99
● SDR-BK	Black	44F3244	2.92
● SDR-BL	Blue	44F3245	2.92
● SDR-BN	Brown	44F3246	2.92
● SDR-GN	Green	44F3247	2.92
● SDR-GY	Gray	44F3248	2.92
● SDR-OR	Orange	44F3249	2.92
● SDR-RD	Red	44F3250	2.92
● SDR-VL	Violet	44F3251	2.92
● SDR-WH	White	95F9665	2.92
● SDR-YL	Yellow	95F9666	2.92
● SDR-MC	Multicolor	95B2930	3.16
● SDR-A	A	95C2336	3.09
● SDR-B	B	95C2337	3.09
● SDR-C	C	95C2338	3.09

(6421)

STD SERIES SCOTCHCODE™ WIRE MARKER
TAPE AND DISPENSER

STD-0-9

Compact, refillable 10-roll tape dispenser filled with number or color-code tape needed for marking wire, cable, tubing, terminal blocks and panels. User can pull-out and tear-off the exact amount of tape needed from the dispenser for their particular application. Features polyester film wire marking tape with acrylic pressure-sensitive adhesive. Tape rolls are 0.215" wide, 8 ft. long. Special end loop for hooking dispenser to a belt or tool pouch. Order replacement rolls of SDR series Scotchcode™ wire marker tape separately on this page.

10-ROLL DISPENSER WITH NUMBERED TAPE

Includes one roll each of numbers 0 through 9 consecutive, one number per roll. Six characters per inch of tape.

Mfg. Part No.	Description	Stock No.	Price Each
● STD-0-9	Dispenser Filled with 10 Rolls of NUMBERED Tape (One each of 0-9)	44F3232	1-9

10-ROLL DISPENSER WITH COLORED TAPE

Includes one roll of each of the following colors: black, blue, brown, gray, green, orange, red, violet, white, yellow.

● STD-C	Dispenser Filled with 10 Rolls of COLORED Tape	44F3233	39.40
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EMPTY WIRE MARKER TAPE DISPENSER

● STD	Wire Marker Tape Dispenser Only (Tape Not Included)	95F6311	12.94
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(6420)

electronics design

WORLD

(94649)

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CABLE MANAGEMENT

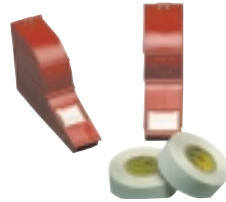
● Indicates RoHS Compliant

WIRE IDENTIFICATION & MARKING SYSTEMS

SCOTCHCODE™ WRITE-ON WIRE MARKER TAPE DISPENSERS AND MARKING PENS



Flexible, compact system for marking wire and cable is easy to use. Lightweight, durable dispenser provides a flat, stable writing surface. **Mfg. part no. SWD** regular, write-on tape dispenser contains 250 die-cut markers on a roll, transparent, pressure-sensitive vinyl tape and one **mfg. part no. SMP** black ink marking pen. **Mfg. part no. SLW** large, write-on tape dispenser with 1x3/4" writing area contains 70 die-cut markers on a roll, transparent, pressure-sensitive vinyl tape and one **mfg. part no. SMP** black ink marking pen. Order refill tape rolls and additional marking pens separately below.



SWD, SLW

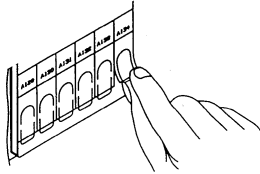
Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● SWD	Regular Dispenser with Black Marking Pen	87F735	31.81
● SLW	Large Dispenser with Black Marking Pen	87F737	37.11
● SWD-R	Refill Tape Roll for Mfg. Part No. SWD	87F736	24.58
● SLW-R	Refill Tape Roll for Mfg. Part No. SLW	96F4522	28.62
● SMP-B	Marking Pen, Permanent Black Ink	87F738	5.92

(6418)

SWB SERIES SCOTCHCODE™ WRITE-ON WIRE MARKER BOOKS



Write-on wire markers for use with most types of permanent ink pens. Ideal for marking wire and cable with an outer diameter of 0.16 to 1.55". Features self-laminating protective shield over legend to provide maximum protection against most environments. Can be applied or removed without touching the adhesive, keeping contamination of the adhesive to a minimum.



Mfg. Part No.	Mrks./Pkg.	Write Area W x H	Size W x L	Wire Dia.	Stock No.	Price Each
						1-9
● SWB-1	180	0.50 x 0.50"	0.5 x 1.5"	0.16-0.31"	95F6271	20.29
● SWB-2	120	0.75 x 0.75"	0.75 x 1.75"	0.24-0.31"	95F6272	20.29
● SWB-3	60	1.0 x 1.0"	1.0 x 2.85"	0.32-0.58"	95F6273	20.29

(6399)

SPB SERIES SCOTCHCODE™ PREPRINTED WIRE MARKER BOOKS



SPB series preprinted wire markers are ideal for marking electrical wires and terminal strips to maximum diameter of 0.47". Also used to mark load centers and alarm systems. Made of vinyl-impregnated cloth with a top coat and a natural rubber adhesive. Black characters printed on white background. Size: 1.37" (34.79) x 0.22" (5.58), with a 0.22" (5.58) x 0.22" (5.58) terminal marker.



Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● SPB-01	45 Each 0-9; 15 Each L1,L2,L3,T1,T2,T3	95F6275	20.31
● SPB-02	10 Each A-Z; 0-15, +, -, /	95F6276	20.31
● SPB-03	10 Each 1-45	95F6277	20.31
● SPB-14	10 Each 46-90	95C2341	20.31
● SPB-08	6 Each 1-15; 4 Each 16-90; 2 Each A-Z, +, -, /	95C2339	20.31
● SPB-12	15 Each A-Z, 8 (+), 7 (-), 21 blank	95C2340	20.31

(6400)

Talk to our team of engineers.

(94668)

Chat live online with our expert technical team or connect to them by phone. Go online or call us today.

B-593 SERIES RAISED PANEL LABELS

Just Added



Raised Panel Labels



Raised Pushbutton Die-Cut Labels

- Perfect alternative to engraved plated!
- Smooth polyester is foam-backed for a raised effect
- Permanent acrylic adhesive for strong holding power
- Professional, thermal transfer print quality
- Choice of regular or pushbutton die-cut labels



B-593 series raised panel labels provide the quality and durability needed to create customized legend plates with less time, cost and hassle than engraved metal plates. Designed for control, instrument and patch panel identification in identifying external pushbuttons, switches, and internal connection points. Great for motor controls, signal lights, production line applications and trophy plates. Also used as rating and serial plates using alphanumeric characters that require name plate quality. To produce thermal transfer print quality for crisp, clear legends use **mfg. part no. BPT300** Tagus™ thermal transfer printer; ordered separately on page 1122. Can also be handwritten on. Other sizes, colors and a protective overlaminated material available; go online or call. Sold in rolls of 500 labels.

Mfg. Part No.	Color	Label Size (in.)		Die-Cut Hole Dia. (mm)	Printable Area (in.)	Stock No.	Price per Roll
		Width	Height				
THTEP-171-593-.5	White	1.06	0.49	...	1.06	10M0510	117.91
THTEP-173-593-.5	White	2.00	1.00	...	2.00	10M0522	130.16
THTEP-176-593-.5	White	3.00	1.00	...	3.00	10M0538	268.81
THTEP-177-593-.5	White	3.00	2.50	...	3.00	10M0542	366.90
THTEP-178-593-.5	White	3.00	3.50	...	3.00	10M0546	488.56
THTEP-168-593-.5	White	1.20	1.90	22.5	1.20	10M0495	256.55
THTEP-169-593-.5	White	1.80	1.80	30.5	1.80	10M0500	278.25
THTEP-169-593-.5RD	Red	1.80	1.80	30.5	1.80	10M0503	289.56
THTEP-169-593-.5BK	Black	1.80	1.80	30.5	1.80	10M0501	263.73
THTEP-170-593-.5	White	2.40	2.40	30.5	2.40	10M0505	311.25

(94356)

TLS2200 THERMAL LABELING SYSTEM



Lightweight, hand-held thermal transfer printer prints labels up to 2" wide. Ideal for printing labels for wire markers, patch panels, circuit boards, and much more. Handles bar coding and multiple material configurations. Custom True Type font. Adjustable for 6 different label widths. Maximum print width: 1.81". 2-line LCD, 16 characters wide. Prints up to 500 labels per battery charge. 203 dpi thermal transfer print mechanism. FCC Class A approved. Includes ribbon, battery pack, charger, test labels, cleaning card, manual, and hard case.



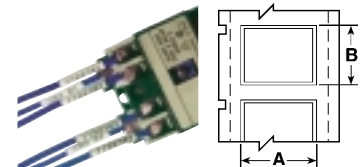
Mfg. Part No.	Description	Stock No.	Price Each
TLS2200	Thermal Labeling System	48F5375	855.74
● R4310	Black Ribbon	48F5380	35.77
● R6010	Black Ribbon	48F5381	35.77

(39395)

PERMASLEEVE™ CABLE MARKING LABELS



White polyolefin markers have a 3:1 shrink ratio. Sold in rolls of 100.



Mfg. Part No.	Sleeve Dim.		Wire Dia. Range		AWG	Labels Per Roll	Stock No.	Price per Roll
	A	B	Min.	Max.				
● PSPT-125-1-WT	1.015"	0.235"	0.046"	0.110"	22-16	100	48F5388	60.26
● PSPT-187-1-WT	1.015"	0.335"	0.062"	0.150"	18-12	100	48F5389	67.11
● PSPT-250-1-WT	1.015"	0.439"	0.094"	0.215"	16-10	100	48F5390	81.29
● PSPT-375-1-WT	1.015"	0.645"	0.125"	0.320"	12-6	100	48F5391	119.73

(39397)

WIRE IDENTIFICATION & MARKING SYSTEMS

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES



Keyboard Layout



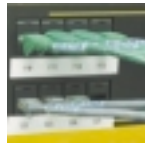
ABC Layout



General Identification



Electrical Panel Identification



Patch Panel Identification

- Produces 300 dpi thermal transfer printing that stays crisp and bright
- Creates a wide variety of labels: self-lams, sleeves, continuous tapes and more
- Choose from assorted label materials up to 1.5" wide
- Prints characters up to 1.25"
- 82 built-in symbols plus barcodes
- Quick-loading "Smart Cartridge" auto-senses label type and size
- Intuitive user interface for easy access to complex functions
- Memory stores frequently used set-ups
- Larger, more informative display
- Ergonomic design fits comfortable in hand

IDXPRT™ portable, hand-held labelers offer two printer keyboard layouts with identical functionality and supplies. Delivers edge-to-edge label printing to reduce materials expenses. Tough, drop-tested construction and easy-to-see bright yellow color make these labelers ideal for the field. Quick-loading label cartridges make switching jobs really fast. Choose from several label materials in a variety of sizes and colors; *ordered separately from table below*. Perfect for a variety of applications including wire and cable marking, terminal block marking, patch panel, outlet and faceplate marking, electrical component marking and for racks, data centers, labs and general industrial identification.

IDXPRT™ LABELER KITS

IDXPRT™ labeler kits include hardside carrying case, serial communications cable for upgrades only, one 1.5" x 30' continuous tape label cartridge and product CD-rom.

Mfg. Part No.	Description	Stock No.	Price Each
XPRT-KEY	IDXPRT(tm) Hand-Held Labeler Kit, Keyboard Layout	11J6151	399.31
XPRT-ABC	IDXPRT(tm) Hand-Held Labeler Kit, ABC Layout	11J6150	399.31

ACCESSORIES

XPRT-AC	AC Adapter (for ABC or KEY Printers)	12J5019	59.86
XPRT-ACUK	AC Adapter, United Kingdom	57J1477	93.52
XPRT-ACEUR	AC Adapter, European	57J1476	93.52
XPRT-HC-KEY	Spare Hard Case for Keyboard Layout Printer	57J1478	74.88
XPRT-HC-ABC	Spare Hard Case for ABC Layout Printer	12J5026	74.88
PCCABLE-1	PC Cable for Upgrades Only (for ABC or KEY)	57J1418	16.93
PCK-4**	Thermal Transfer Printer Cleaning Kit	57J4988	22.40

PERMASLEEVE™ WIRE AND CABLE LABELS, HEAT-SHRINK POLYOLEFIN

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XPS-125-1	Black on White	1.015 x 0.235	100	57J1481	65.32
● XPS-187-1	Black on White	1.015 x 0.335	100	57J1484	71.70
● XPS-250-1	Black on White	1.015 x 0.439	100	57J1487	86.08
● XPS-375-1	Black on White	1.015 x 0.645	100	57J1489	124.36
● XPS-125-CONT	Black on White	0.125 x 8 ft Continuous*	...	57J1479	56.68
● XPS-125-CONT-YL-BK	Black on Yellow	0.125 x 8 ft Continuous*	...	57J1480	56.68
● XPS-187-CONT	Black on White	0.187 x 8 ft Continuous*	...	57J1482	62.26
● XPS-187-CONT-YL-BK	Black on Yellow	0.187 x 8 ft Continuous*	...	57J1483	62.26
● XPS-250-CONT	Black on White	0.250 x 8 ft Continuous*	...	57J1485	68.52
● XPS-250-CONT-YL-BK	Black on Yellow	0.250 x 8 ft Continuous*	...	57J1486	68.52
● XPS-375-CONT	Black on White	0.375 x 12 ft Continuous*	...	57J1488	100.42

WIRE AND CABLE LABELS, SELF-LAMINATING VINYL

● XSL-11-451	Black on White	0.50 x 0.75 x 0.37	500	99K1677	45.10
● XSL-96-451	Black on White	1.00 x 0.75 x 0.37	250	99K1695	28.97
● XSL-17-451	Black on White	0.50 x 1.00 x 0.37	500	99K1680	52.62
● XSL-18-451	Black on White	0.75 x 1.00 x 0.37	250	99K1681	33.27
● XSL-19-451	Black on White	1.00 x 1.00 x 0.37	250	99K1682	37.57
● XSL-102-451	Black on White	0.50 x 1.25 x 0.37	250	99K1675	42.58

➔ CONTINUED ➔

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES (CONT.)

WIRE AND CABLE LABELS, SELF-LAMINATING VINYL

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XSL-103-451	Black on White	1.00 x 1.25 x 0.50	250	99K1676	42.95
● XSL-115-451	Black on White	1.50 x 1.25 x 0.50	250	99K1678	61.34
● XSL-29-451	Black on White	0.50 x 1.50 x 0.50	500	99K1688	76.70
● XSL-30-451	Black on White	0.75 x 1.50 x 0.50	250	99K1689	36.50
● XSL-31-451	Black on White	1.50 x 1.00 x 0.50	250	99K1690	45.10
● XSL-31-451-YL-BK	Black on Yellow	1.00 x 1.50 x 0.50	250	99K1691	69.16
● XSL-32-451	Black on White	1.50 x 1.50 x 0.50	250	99K1692	80.12
● XSL-21-451	Black on White	1.00 x 2.50 x 0.75	100	99K1683	30.05
● XSL-21-451-YL-BK	Black on Yellow	1.00 x 2.50 x 0.75	100	99K1684	46.58
● XSL-116-451	Black on White	1.50 x 2.50 x 0.75	100	99K1679	30.05
● XSL-23-451	Black on White	1.00 x 4.00 x 1.00	85	99K1686	61.34
● XSL-33-451	Black on White	1.50 x 4.00 x 1.00	85	99K1693	48.32
● XSL-34-451	Black on White	1.50 x 6.00 x 1.50	50	99K1694	61.34

ADHESIVE WRAPAROUND WIRE AND CABLE LABELS, VINYL CLOTH

● X-7-498	Black on White	0.50 x 0.50	300	57J1438	52.56
● X-11-498	Black on White	0.50 x 0.75	275	57J1421	52.68
● X-18-498	Black on White	0.75 x 1.00	225	57J1426	54.16
● X-19-498	Black on White	1.00 x 1.00	200	57J1428	46.38
● X-103-498	Black on White	1.00 x 1.25	200	57J1420	47.42

TERMINAL BLOCK LABELS, VINYL CLOTH

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XC-240-498	Black on White	0.240 x 20' Continuous*	...	57J1463	65.32
● XC-318-498	Black on White	0.318 x 20' Continuous*	...	57J1464	66.94
● XC-375-498	Black on White	0.375 x 20' Continuous*	...	57J1466	68.52

INDOOR/OUTDOOR GRADE FACILITY AND SAFETY LABELS, VINYL

● XC-500-580-BL-WT	White on Blue	0.50 x 30' Continuous*	...	57J1468	55.74
XC-500-580-CL-BK	Black on Clear	0.50 x 30' Continuous*	...	57J1469	55.74
XC-500-580-GN-WT	White on Green	0.50 x 30' Continuous*	...	57J1470	55.74
XC-500-580-OR-BK	Black on Orange	0.50 x 30' Continuous*	...	57J1471	55.74
XC-500-580-RD-WT	White on Red	0.50 x 30' Continuous*	...	57J1472	55.74
● XC-500-580-WT-BK	Black on White	0.50 x 30' Continuous*	...	57J1473	55.74
● XC-500-580-WT-RD	Red on White	0.50 x 30' Continuous*	...	57J1474	55.74
● XC-500-580-YL-BK	Black on Yellow	0.50 x 30' Continuous*	...	57J1475	55.74
● XC-1000-580-BL-WT	White on Blue	1.00 x 30' Continuous*	...	57J1447	70.12
XC-1000-580-CL-BK	Black on Clear	1.00 x 30' Continuous*	...	57J1448	70.12
XC-1000-580-GN-WT	White on Green	1.00 x 30' Continuous*	...	57J1449	70.12
XC-1000-580-OR-BK	Black on Orange	1.00 x 30' Continuous*	...	57J1450	70.12
XC-1000-580-RD-WT	White on Red	1.00 x 30' Continuous*	...	57J1451	70.12
● XC-1000-580-WT-BK	Black on White	1.00 x 30' Continuous*	...	57J1452	70.12
● XC-1000-580-WT-RD	Red on White	1.00 x 30' Continuous*	...	57J1453	70.12
● XC-1000-580-YL-BK	Black on Yellow	1.00 x 30' Continuous*	...	57J1454	70.12
● XC-1500-580-BL-WT	White on Blue	1.50 x 30' Continuous*	...	57J1455	82.88
XC-1500-580-CL-BK	Black on Clear	1.50 x 30' Continuous*	...	57J1456	82.88
XC-1500-580-GN-WT	White on Green	1.50 x 30' Continuous*	...	57J1457	82.88
XC-1500-580-OR-BK	Black on Orange	1.50 x 30' Continuous*	...	57J1458	82.88
XC-1500-580-RD-WT	White on Red	1.50 x 30' Continuous*	...	57J1459	82.88

➔ CONTINUED ➔

WIRE IDENTIFICATION & MARKING SYSTEMS

IDXPRT™ HAND-HELD LABELER KITS AND ACCESSORIES (CONT.)

INDOOR/OUTDOOR GRADE FACILITY AND SAFETY LABELS, VINYL

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● XC-1500-580-WT-RD	Red on White	1.50 x 30' Continuous*	...	57J1461	82.88
● XC-1500-580-YL-BK	Black on Yellow	1.50 x 30' Continuous*	...	57J1462	82.88

LAB VIAL AND TUBE LABELS, POLYESTER

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● X-97-488	Black on White	0.90 x 0.90	350	57J1443	66.94
● X-81-488	Black on White	2.00 x 0.25	250	57J1439	44.58

LAB VIAL AND TUBE LABELS, SELF-LAMINATING VINYL

● XSL-75-461	Black on White	1.00 x 2.60 x 1.00	100	57J1510	59.82
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LAB VIAL AND TUBE LABELS, NYLON CLOTH

● X-82-499	Black on White	0.375 Dia.	300	57J1440	46.18
● X-83-499	Black on White	0.500 Dia.	300	57J1441	46.18
● X-11-499	Black on White	0.75 x 0.50	275	57J1422	41.48
● X-84-499	Black on White	0.90 x 0.50	250	57J1442	42.96
● X-98-499	Black on White	1.00 x 0.375 x 0.375	350	57J1444	60.54

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, GLOSS POLYESTER

Mfg. Part No.	Color	W x L (In.)†	Labels Per Cartridge	Stock No.	Price Each
● X-17-422	Black on White	1.00 x 0.50	500	57J1423	73.30
● X-19-422	Black on White	1.00 x 1.00	250	57J1427	55.74
● X-29-422	Black on White	1.50 x 0.50	500	57J1432	81.28
● X-30-422	Black on White	1.50 x 0.75	250	57J1434	68.52
● XC-375-422	Black on White	0.375 x 30' Continuous*	...	57J1465	68.52
● XC-500-422	Black on White	0.50 x 30' Continuous*	...	57J1467	70.12
● XC-1000-422	Black on White	1.00 x 30' Continuous*	...	57J1445	79.68

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, METALLIZED POLYESTER

● X-17-428-SV-BK	Black on Silver	1.00 x 0.50	450	57J1424	79.68
● X-24-428-SVBB-BK	Black on Silver	1.13 x 0.50	450	57J1431	70.12
● X-29-428-SV-BK	Black on Silver	1.50 x 0.50	450	57J1433	90.84
● X-20-428-SV-BK	Black on Silver	2.00 x 1.00	100	57J1429	50.98

BINS, STORAGE AND GENERAL INDUSTRIAL ID LABELS, ULTRA-AGGRESSIVE POLYESTER

● X-17-483	Black on White	1.00 x 0.50	500	57J1425	78.10
● X-61-483	Black on White	2.00 x 0.50	100	57J1435	35.02
● X-20-483	Black on White	2.00 x 1.00	100	57J1430	44.58
● X-63-483	Black on White	8.00 x 0.75	50	57J1437	44.74

*Cut-to-length continuous tape; †Dimensions are in inches unless otherwise noted
 **Price per Pkg. of 50 (63001)

TLS PC LINK™ THERMAL LABELING SYSTEM



TLS PC Link™ thermal labeling system offers a rugged, small and lightweight desktop/portable solution. Provides capabilities such as thermal transfer printing, bar coding, and multiple material configurations. Comes with a Windows® driver that allows the unit to print labels from LabelMark (included with TLS PC Link™), Codesoft software, or any Windows® software application available. The printer also has its own printer control language. The firmware is upgradeable through the mini-DIN series jack, and the unit operates off AC power or the included rechargeable battery.



Mfg. Part No.	Description	Stock No.	Price Each
TLSPC	TLS PC Link Printer	31C9238	960.69
TLSPC-AC	Power Supply/Battery Charger	35C2165	72.66
TLSPC-BP	Rechargeable Battery Pack	35C2166	90.42
TLSPC-CABLE	Communications Cable	35C2167	14.54
PCK-5	Cleaning Kit	48F5379	18.12

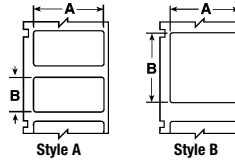
LABELMARK LABELING SOFTWARE

Designed with the user in mind, LabelMark labeling software is the logical solution for efficient label design, editing and printing. LabelMark labeling software offers features that make creating labels efficient and accurate. Written specifically for identification applications in the telecommunication and electrical market, it has a graphical interface that guides the user through label creation, editing and printing.

Mfg. Part No.	Description	Stock No.	Price Each
LM3	Labelmark Labeling Software	97H6276	402.04

(68879)

COMPONENT AND GENERAL ID LABELS



Electronic application labels help identify components and tools. For use with mfg. part no. TLS2200 thermal label printer. White polyester. Sold in rolls.

POLYESTER

Mfg. Part No.	Description	Style	Dimensions	Labels Per Roll	Stock No.	Price per Roll
● PTL-9-423*	Gloss White	A	0.65" 0.20"	750	48F5382	52.95
● PTL-15-423*	Gloss White	A	1.00" 0.275"	750	48F5383	62.70
● PTL-15-428**	Matte Silver	A	1.00" 0.275"	750	73K2639	83.40
● PTL-19-423*	Gloss White	A	1.00" 1.00"	250	48F5385	36.97
● PTL-28-423*	Gloss White	A	1.50" 0.25"	750	48F5386	76.24
● PTL-32-423*	Gloss White	B	1.50" 1.50"	250	48F5387	59.79

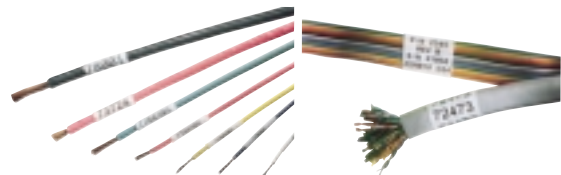
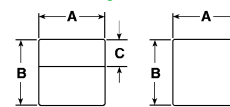
*Use with mfg. part no. R6010 ribbon; **Use with mfg. part no. R4310 ribbon

VINYL CLOTH LABELS

Mfg. Part No.	Label Dimensions	Labels Per Roll	Stock No.	Price per Roll
● PTL-16-498**	0.375" 1.00"	500	04H2548	66.97
● PTL-17-498**	1.00" 0.50"	500	04H2562	70.17

**Use with mfg. part no. R4310 ribbon (39396)

WIRE AND CABLE MARKING LABELS



Vinyl marking labels make wire and cable identification easier.

CABLE MARKING LABELS

Mfg. Part No.	Label Dimensions	Labels Per Roll	Stock No.	Price per Roll
● PTL-21-451	1.00" 2.50" 0.75"	100	99K1656	35.19
● PTL-23-451	1.00" 4.00" 1.00"	100	99K1657	41.90
● PTL-33-451	1.50" 4.00" 1.00"	100	99K1661	56.72

WIRE MARKING LABELS

Mfg. Part No.	Max. Dia.	Material	Label Dimensions	AWG	Labels Per Roll	Stock No.	Price per Roll
● PTL-29-498	0.26"	Vinyl Cloth	1.50" 0.50" ...	4-10	500	04H2681	62.23
● PTL-17-451	0.26"	Vinyl Cloth	1.00" 1.50" ...	4-10	250	99K1653	51.17
● PTL-18-451	0.21"	Vinyl	0.50" 1.00" 0.375"	10-12	500	99K1654	38.11
● PTL-19-451	0.21"	Vinyl Cloth	0.75" 1.00" ...	4-10	250	99K1655	45.96
● PTL-11-498	0.21"	Vinyl	0.75" 1.00" 0.375"	10-12	250	04H2524	54.33
● PTL-11-451	0.21"	Vinyl	1.00" 1.00" 0.375"	10-12	250	99K1652	47.80
● PTL-7-498	0.16"	Vinyl Cloth	0.75" 0.50" ...	10-16	500	04H2806	61.26
● PTL-11-451	0.16"	Vinyl	0.75" 0.50" 0.375"	10-16	500	99K1652	47.80
● PTL-7-498	0.11"	Vinyl Cloth	0.50" 0.50" ...	16-22	500	04H2806	61.26

(39399)

WIRE IDENTIFICATION & MARKING SYSTEMS

ID PAL™ LABELING TOOL

- Prints Brady® ID PAL™ Easy-to-Peel Labels
- Fits Great in Your Hand
- Job-Tough Construction
- Easy-to-See Bright Red Color
- Quick, Top-Load, Drop-in Cartridge
- Built-in Industrial Cutter
- Intuitive Keypad with Electrical and Datacom Symbols
- Special Wire-Marking Mode with 10 Preset Lengths
- Prints Upper and Lower Case Letters
- Multiple Line Printing and Serialization
- Automatic Shutoff
- 6-month Warranty (12 Months if Registered)
- 5 Font Sizes



Mfg. part no. ID PAL™ hand-held labeling tool is an affordable, easy-to-use, non-smearing thermal transfer printer made for the field, not the office. Rugged design has been tested to withstand harsh environments and a tough, 4-foot drop test to concrete. Features built-in intelligence that senses tape size and automatically formats the label. Both versions include **mfg. part no. PAL-750-439** glossy white permanent vinyl 3/4" wide label cartridge. *Order additional ID PAL™ label cartridges separately on this page.* Tool size: 9L x 4.5W x 2.5"H. Power: 6AA batteries. Weight: 1.2 lbs. with batteries and label cartridge. FCC Class A approved. *Order hardside carrying case and AC adapter separately below.*

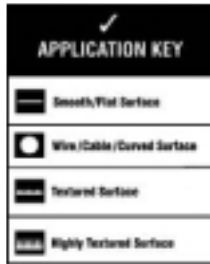
Mfg. Part No.	Description	Stock No.	Price Each
IDPAL	ID PAL (TM) Labeling Tool	40C2494	115.06

ACCESSORIES

IDPAL-HC	ID PAL (TM) Hardside Carrying Case is protective storage for ID PAL (TM) printer and accessories	40C2497	34.42
IDPAL-AC	ID PAL (TM) AC Adapter	40C2495	38.36

(76913)

ID PAL™ LABEL CARTRIDGES



LABEL CARTRIDGE SELECTION CHART					
Application	Material / Color	Label Width			Roll Length
		3/8" / 3mm	1/2" / 12mm	3/4" / 19mm	
Smooth, Flat Surface	Nylon Cloth 8499 / Black on white	PAL-375-499 ¹	PAL-500-499 ²	PAL-750-499 ³	19' / 5.6m
Wire/Cable/Conduit Surface	Vinyl 8420 / Black on white*	PAL-375-439 ¹	PAL-500-439 ²	PAL-750-439 ³	31' / 9.6m
Textured Surface	Polyester 8400 / Black on clear	PAL-375-439 ¹	PAL-500-439 ²	PAL-750-439 ³	31' / 9.6m
Highly Textured Surface	Polyester 8420 / Black on white	PAL-375-439 ¹	PAL-500-439 ²	PAL-750-439 ³	31' / 9.6m

*Available in other colors

¹Catalog Number

PAL series label cartridges are top-loaded into **mfg. part no. ID PAL™** labeling tool; *ordered separately on this page.* The ID PAL™ tool features built-in intelligence that senses tape size and automatically formats the label. A choice of performance-tested labeling materials, label widths and lengths provides a good match with a variety of applications. The ideal for wire and cable marking, component marketing, and general identification.

Mfg. Part No.	Color	Material	Size*	Stock No.	Price Each
● PAL-375-423	Black on Glossy White	Permanent Polyester	0.375" W x 21-ft L	40C2547	16.42
● PAL-375-430	Black on Glossy Clear	Permanent Polyester	0.375" W x 21-ft L	40C2548	15.20
● PAL-375-439	Black on Glossy White	Permanent Vinyl	0.375" W x 21-ft L	40C2549	17.33
● PAL-375-439YL	Black on Glossy Yellow	Permanent Vinyl	0.375" W x 21-ft L	40C2550	17.33
● PAL-375-499	Black on Matte White	Nylon Cloth	0.375" W x 19-ft L	40C2551	20.98
● PAL-500-423	Black on Glossy White	Permanent Polyester	0.500" W x 21-ft L	40C2552	16.42
● PAL-500-430	Black on Glossy Clear	Permanent Polyester	0.500" W x 21-ft L	40C2553	15.20
● PAL-500-439	Black on Glossy White	Permanent Vinyl	0.500" W x 21-ft L	40C2554	17.33
● PAL-500-439YL	Black on Glossy Yellow	Permanent Vinyl	0.500" W x 21-ft L	40C2555	17.33
● PAL-500-499	Black on Matte White	Nylon Cloth	0.500" W x 19-ft L	40C2556	20.98
● PAL-750-423	Black on Glossy White	Permanent Polyester	0.750" W x 21-ft L	40C2557	18.24
● PAL-750-430	Black on Glossy Clear	Permanent Polyester	0.750" W x 21-ft L	40C2558	18.24

▶ CONTINUED ▶

ID PAL™ LABEL CARTRIDGES (CONT.)

Mfg. Part No.	Color	Material	Size*	Stock No.	Price Each
● PAL-750-439	Black on Glossy White	Permanent Vinyl	0.750" W x 21-ft L	40C2559	20.06
● PAL-750-439YL	Black on Glossy Yellow	Permanent Vinyl	0.750" W x 21-ft L	40C2560	18.78
● PAL-750-499	Black on Matte White	Nylon Cloth	0.750" W x 19-ft L	40C2561	23.71

*Cut-to-length continuous tape (68854)

HANDIMARK™ PORTABLE LABEL MAKER



- Fast, economical and easy to use
- Built-in bar code 3 of 9 symbology
- Create custom labels whenever and wherever you need them
- Runs on battery or AC adapter
- Tough vinyl tape designed for outdoor use and industrial environments

Mfg. part no. 42001 portable label maker comes complete with 113 built-in symbols and pictos that enables you to create your own custom labels in 12 different languages including Spanish and French. This portable label maker can also be used to print bar codes in an inventory system. Comes complete with 1 roll of white, 2" tape, 1 black ribbon, battery charger, rechargeable nickel-cadmium battery, cleaning kit, symbol reference chart and a hard cover carrying case. *Order AC adapter separately; go online or call Newark.*

Mfg. Part No.	Description	Stock No.	Price Each
42001	Label Maker	81C7467	923.95

INDOOR/OUTDOOR GRADE TAPE

Tape rolls 50' long.

Mfg. Part No.	Color	Roll Width (in.)	Stock No.	Price Each
● 42018	White	0.5	87H9039	41.53
● 42019	White	1	31C8289	57.91
● 42021	White	2	25H8714	86.90
● 42022	Yellow	0.5	87H9040	41.53
● 42023	Yellow	1	87H9041	57.91
● 42025	Yellow	2	06H0834	86.90
42029	Green	2	87H9042	86.90
42033	Red	2	69H6463	86.90
● 42037	Blue	2	87H9043	86.90
42041	Orange	2	82H8216	86.90

RIBBONS

Ribbons 75' long.

Mfg. Part No.	Color	Cartridge Size (in.)	Stock No.	Price Each
42012	White	2	06H1568	30.13
42011	Black	2	31C8287	30.13
42013	Red	2	07H3490	30.13
42014	Blue	2	07H3493	30.13

(77688)

CODE READER® 3 SCANNER



- DOT reduces training time by monitoring each user's reading patterns
- Open language programmability
- Open platform JavaScript development environment
- Protect your data security with a customer-unique key encryption

The Code Reader® 3.0 is a portable all-symbology bar code reader, which is even more versatile with the addition of information display and keyboard entry functions. It combines imaging technology with a graphic display and rugged keyboard that makes this the new standard in small, fast, user-friendly data and inventory management. This unique technology continuously adapts the resolution, illumination, and image field for the fastest automatic symbology identification and decoding. Applications include basic data entry, electronics, lab, shipping and receiving, UID initiatives and WIP.



Mfg. Part No.	Description	Stock No.	Price Each
64461	Code Reader 3 Scanner with Handle & USB Cable	80K6517	1108.70

(87961)

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(94660)

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CABLE MANAGEMENT

● Indicates RoHS Compliant

WIRE IDENTIFICATION & MARKING SYSTEMS

MINIMARK™ PRINTER, PACKAGES AND ACCESSORIES



- Versatile
- Easy
- Fast
- Compact

Just Added



MiniMark™ Industrial label printer is ideal for making signs, marking racks, shelving and pipes, panel identification, as well as, general and industrial labeling. Value PLUS package for MiniMark™ mfg. part no. 52159 includes: 1 roll each 4" and 2.25" white vinyl tape, Markware software™ and 1 roll of black ribbon.

Mfg. Part No.	Description	Stock No.	Price Each
52041	MiniMark™ Industrial Label Printer	86K8406	1388.83
52159	ValuePLUS Package for MiniMark™	10M4809	691.51

INDOOR/OUTDOOR VINYL TAPE CARTRIDGES

Mfg. Part No.	Tape Color	Width (in.)	Roll Length (ft.)	Stock No.	Price per Cartridge
● 52074	White	2.25	110	10M4767	98.73
● 52075	Yellow	2.25	110	10M4768	98.73
● 52076	Red	2.25	110	10M4769	98.73
● 52079	Orange	2.25	110	10M4774	98.73
● 52087	White	4	110	10M4783	139.41
● 52090	Yellow	4	110	10M4784	139.41
● 52096	Orange	4	110	10M4790	139.41

RIBBON PER ROLL (2 ROLLS /PER PKG.)

Mfg. Part No.	Color	Width (in.)	Roll Length (ft.)	Rolls/Per Pkg.	Stock No.	Price per Pkg.
● 52042	Black	4.4	290	2	10M4739	113.84
● 52044	White	4.4	290	2	10M4741	113.84

(89501)

TAGUS T300 THERMAL TRANSFER PRINTER



Features:

- Supplies loading diagram embossed into the frame
- Unique collapsible ribbon hub
- Upgradeable flash memory
- Cantilever printhead mechanism

Tagus T300 series is small but durable, built with the same durable die cast aluminum materials found on Brady's larger heavy duty printers. Print resolution is 300 dots per inch (12 dots per mm) thermal transfer printer. Selectable print speeds at 1" increments from 2,000" (50.80 mm) to 6,000" (152.40 mm) per second. The T300 series prints up to 4,000 labels per day with a minimum label length of 0.125" (3.18 mm). T300 series appeals to a wide variety of applications including wire and cable marking, laboratory sample identification, communications labeling, panel identification, security identification, as well as, general and industrial labeling.



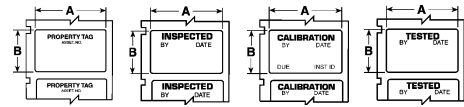
Mfg. Part No.	Description	Stock No.	Price Each
BPT300	300 dpi Tagus with LCD	73K3578	2138.90

INDOOR/OUTDOOR VINYL TAPE CARTRIDGES

Mfg. Part No.	Tape Color	Width (in.)	Roll Length (ft.)	Stock No.	Price per Cartridge
● 52074	White	2.25	110	10M4767	98.73
● 52075	Yellow	2.25	110	10M4768	98.73
● 52079	Orange	2.25	110	10M4774	98.73
● 52087	White	4	110	10M4783	139.41
● 52090	Yellow	4	110	10M4784	139.41
● 52096	Orange	4	110	10M4790	139.41
● 52147	Purple	4	110	10M4799	139.41

(87960)

PRE-PRINTED LABELS



Label material: polyester. For use with mfg. part no. TLS2200 thermal transfer printer only, ordered separately on page 1118. Sold in rolls of 250.

Mfg. Part No.	Label Dimensions	Legend	Color	Stock No.	Price per Roll
● PTL-30-423-CALI	1.50" 0.75"	CALIBRATION	Gloss White	48F5412	47.72
● PTL-30-428-CALI	1.50" 0.75"	CALIBRATION	Matte Silver	48F5413	68.36
● PTL-30-423-TEST	1.50" 0.75"	TESTED	Gloss White	48F5414	47.72
● PTL-30-428-TEST	1.50" 0.75"	TESTED	Matte Silver	48F5415	67.67
● PTL-30-423-INSPE	1.50" 0.75"	INSPECTED BY	Gloss White	48F5416	42.46
● PTL-30-428-INSPE	1.50" 0.75"	INSPECTED BY	Matte Silver	48F5417	76.08
● PTL-35-423-PROP	1.63" 0.75"	PROPERTY TAG	Gloss White	48F5418	47.72
● PTL-35-428-PROP	1.63" 0.75"	PROPERTY TAG	Matte Silver	48F5419	70.06

(39401)

WIRE MARKING LABELS

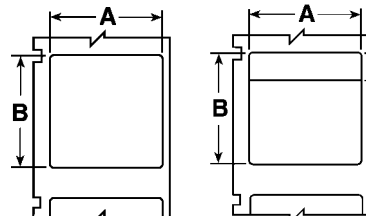


Fig. 1

Fig. 2

Use on components in control panels, electronic components and circuit boards, faceplates and electronic receptacles. Measurements based on THHN wire.

6 - 10 AWG — MAX. WIRE DIAMETER: 0.26"

Mfg. Part No.	Fig.	Label Material	Dimensions (in.)	Lines of Print	Labels Per Roll	Stock No.	Price per Roll
● WML-905-502	1	Vinyl Cloth	0.50 1.25 ...	8	250	48F5345	46.54
● WML-305-451	2	Vinyl	0.50 1.25 0.50	3	250	99K1668	36.42
● WML-911-499	1	Nylon Cloth	1.00 1.25 ...	8	250	48F5346	52.06
● WML-911-502	1	Vinyl Cloth	1.00 1.25 ...	8	250	48F5347	52.77
● WML-311-451	1	Vinyl	1.00 1.25 ...	3	250	99K1670	48.98
● WML-317-451	2	Vinyl	1.50 1.25 0.50	3	250	99K1671	54.03

10 - 12 AWG — MAX. WIRE DIAMETER: 0.21"

● WML-705-499	1	Nylon Cloth	0.50 1.00 ...	6	250	48F5340	37.37
● WML-705-502	1	Vinyl Cloth	0.50 1.00 ...	6	250	48F5339	42.89
● WML-205-451-1	1	Vinyl	0.50 1.00 ...	2	250	99K1664	40.00
● WML-711-499	2	Nylon Cloth	1.00 1.00 0.375	6	250	48F5342	52.91
● WML-711-502	1	Vinyl Cloth	1.00 1.00 ...	6	250	48F5343	49.31
● WML-211-451-1	1	Vinyl	1.00 1.00 ...	2	250	87K2051	45.09

10 - 16 AWG — MAX. WIRE DIAMETER: 0.16"

● WML-505-499	1	Nylon Cloth	0.50 0.75 ...	4	250	48F5333	40.04
● WML-505-502	1	Vinyl Cloth	0.50 0.75 ...	4	250	48F5334	39.83
● WML-205-451-75	2	Vinyl	0.50 0.75 0.375	2	250	99K1666	30.76
● WML-511-499	1	Nylon Cloth	1.00 0.75 ...	4	250	25C5377	35.33
● WML-511-502	1	Vinyl Cloth	1.00 0.75 ...	4	250	48F5337	47.66
● WML-211-451-75	1	Vinyl	1.00 0.75 ...	2	250	99K1667	40.66

16 - 22 AWG — MAX. WIRE DIAMETER: 0.11"

● WML-305-499	1	Nylon Cloth	0.50 0.50 ...	3	500	48F5329	64.72
● WML-305-502	1	Vinyl Cloth	0.50 0.50 ...	3	500	48F5330	63.08

(39387)



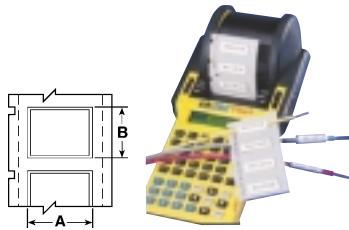
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WIRE IDENTIFICATION & MARKING SYSTEMS

PERMASLEEVE™ WIRE MARKING SLEEVES

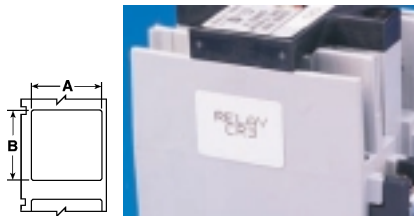


Material: heat-shrink polyolefin. Will repeat the full legend for the entire length of the label in wire and strip models. 1" marker width. Color: white. **Sold in rolls of 100.**

Mfg. Part No.	Wire Diameter		AWG	Sleeve Dimensions		Max. Lines of Print	Stock No.	Price per Roll
	Min.	Max.		A	B			1-49
● PSIDP-111-125	0.046"	0.110"	22-16	1.00"	0.235"	1	48F5320	66.18
● PSIDP-111-187	0.062"	0.150"	18-12	1.00"	0.335"	1	48F5321	73.99
● PSIDP-211-250	0.094"	0.215"	16-10	1.00"	0.439"	2	48F5322	89.24
● PSIDP-311-375	0.125"	0.320"	12-6	1.00"	0.645"	3	48F5323	131.78

(39388)

COMPONENT AND GENERAL IDENTIFICATION LABELS

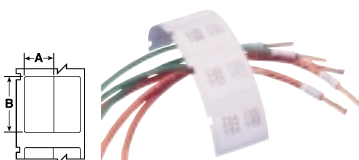


For use on components in control panels, electronic components and circuit boards, faceplates, and electronic receptacles. **Sold in rolls of 500.**

Mfg. Part No.	Label Material	Label Dimensions		Lines of Print	Stock No.	Price per Roll
		A	B			1-49
● CL-105-619	Polyester	0.50"	0.275"	1	48F5309	36.54
● CL-111-502	Vinyl Cloth	1.00"	0.275"	1	48F5310	57.00
● CL-111-607	Tamperproof Vinyl	1.00"	0.275"	1	48F5315	54.69
● CL-111-619	Polyester	1.00"	0.275"	1	48F5311	37.04
● CL-111-969	Metallized Polyester	1.00"	0.275"	1	48F5316	57.80
● CL-311-502	Vinyl Cloth	1.00"	0.275"	3	48F5313	70.74
● CL-311-619	Polyester	1.00"	0.50"	3	48F5314	53.99
● CL-311-969	Metallized Polyester	1.00"	0.50"	3	48F5317	72.52
● CL-317-619	Polyester	1.50"	0.50"	3	48F5318	59.61
● CL-517-619*	Polyester	1.50"	0.75"	4	48F5319	41.28

*Sold in rolls of 250
(39389)

MULTIPLE-ACROSS WIRE MARKING STRIPS



Will repeat the full legend for the entire length of the label in wire and strip modes. **Sold in rolls of 500 total labels (250 labels, 2 across).**

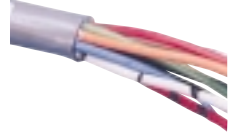
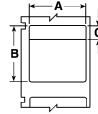
Mfg. Part No.	AWG	Sleeve Dimension		Write-On Area	Lines of Print	Stock No.	Price per Roll
		A	B				
● WML-205-451-2S*	10-14	0.50"	0.75"	0.40"	2	99K1665	56.84
● WML-305-451-2S*	6-10	0.50"	1.25"	0.52"	3	99K1669	60.99
● WML-505-499-2S†	10-14	0.50"	0.75"	...	4	48F5350	59.43
● WML-505-502-2S‡	10-14	0.50"	0.75"	...	4	48F5351	56.05

*White/transparent self-laminating vinyl; †Nylon cloth; ‡White vinyl cloth
(39390)

CABLE MARKING LABELS



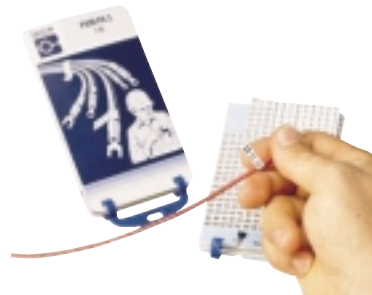
Print up to 8 different lines of text in wire and strip models. Repeat the full legend for the entire length of the label. Material: self-laminating vinyl. Color: white/transparent. **Sold in rolls of 100 labels.**



Mfg. Part No.	Label Dimensions		Vertical Repeat	Max. Lines of Print	Stock No.	Price per Roll
	A	B				1-49
● WML-511-451	1.00"	2.50"	0.75"	4	99K1672	34.66

(39386)

PORTA-PACK® WIRE MARKER BOOKS

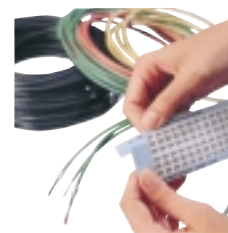


Slim, lightweight, pocket-size book is easy to carry and easy to use. Includes terminal marker with each wire marker.

Mfg. Part No.	Legend	No. Markers Per Legend	Stock No.	Price Each
				1-49
● PWM-PK-1	0 thru 9	45	48F5352	25.67
● PWM-PK-2	A thru Z, 0 thru 15, +, -, /	10	08H0481	25.67
● PWM-PK-3	1 thru 45	10	48F5354	25.67
● PWM-PK-8	1 thru 15 16 thru 90	6 4	48F5355	25.67
● PWM-LC-3	A thru Z, +, -, / , 0 Load Center and Residential	2 5	48F5356	22.61

(39391)

WIRE MARKER CARDS



Exclusive ZipStrip® release cards let you remove the markers you need, when you need them. Vinyl cloth. Size: 1.50" per marker.

Mfg. Part No.	Legend	No. Markers Per Legend	Stock No.	Price Each
				1-49
● WM-0	0	36	48F5357	1.78
● WM-1	1	36	48F5358	1.78
● WM-2	2	36	48F5359	1.78
● WM-3	3	36	48F5360	1.78
● WM-4	4	36	48F5361	1.78
● WM-5	5	36	48F5362	1.78
● WM-6	6	36	48F5363	1.78
● WM-7	7	36	48F5364	1.78
● WM-8	8	36	48F5365	1.78
● WM-9	9	36	48F5366	1.78
● WM-1-33	1 thru 33	33	48F5367	1.78
● WM-34-66	34 thru 66	33	48F5368	1.78
● WM-67-99	67 thru 99	33	48F5369	1.78
● WM-A-Z	A thru Z	26	48F5372	1.78
● WM-MIN	-	36	48F5373	1.78
● WM-PLS	+	36	48F5374	1.78

(39393)

CABLE MANAGEMENT

● Indicates RoHS Compliant

WIRE IDENTIFICATION & MARKING SYSTEMS

ELECTRONIC LABELING TAPE

DYMO

1/4" x 23' LABELING TAPE FOR ALL DYMO ELECTRONIC LABELMAKERS

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 45010	Black on Clear	16F1301	20.34
● 45013	Black on White	16F1302	20.34
● 45015	Red on White	16F1303	20.34
● 45018	Black on Yellow	16F1304	20.34
● 45020	White on Clear	16F1305	20.34
● 45021	White on Black	16F1306	20.34

3/4" x 23' LABELING TAPE FOR USE IN DYMO LABELMAKER MODELS: LM300, LM350, LM400, LM450, LP300 and LP350

● 45800	Black on Clear	16F1321	28.25
● 45803	Black on White	16F1322	28.25
● 45805	Red on White	16F1323	28.25
● 45808	Black on Yellow	16F1324	28.25
● 45811	White on Black	16F1326	28.25

(7584)

LABELS FOR LABELWRITER® SERIES 300 AND 400

DYMO

Additional sizes and types of labels available; go online or call.

ADDRESS LABELS FOR LABELWRITER® (1 1/8" x 3 1/2" Width)

Mfg. Part No.	Labels Per Roll	Print Color/ Tape Color	Stock No.	Price Each
				1-4
● 30252	350	Black/White	19C7442	27.20
● 30254	130	Black/Clear	48F5046	10.85

RETURN ADDRESS LABELS (3/4" x 2" Width)

● 30330	500	Black/White	19C7443	17.39
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FILE FOLDER LABELS (9/16" x 3 3/16" Width)

● 30275	260	Black/White (2-Up w/ Blue Stripe)	35C0824	10.55
● 30327	130	Black/White (1-Up)	48F5051	10.85
● 30276	260	Black/White (2-Up w/ Red Stripe)	35C0825	10.55

MEDIA LABELS (2 1/8" x 2 3/4" Width)

● 30258	400	Black/White	35C0823	26.45
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SHIPPING LABELS FOR USE IN 330 TURBO, 400 AND 400 TURBO ONLY (2 3/16" x 4" Width)

● 30256	300	Black/White	48F5049	27.20
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(68799)

Rhino 5000 LABELMAKER PRINTER, KIT AND ACCESSORIES

DYMO



Rhino 5000 Labelmaker Printer Kit

Rhino 5000 industrial labelmaker tools combine an affordable, easy-to-use, portable printer with labels specifically developed for tough applications all around your job site or facility. The exclusive "Hot Key" functionality puts the power of wire and cable wrapping, patch panel, terminal block, fixed length, serialization and vertical printing at your fingertips. The extra-large 30-character backlit display and oversized keys provide a simple user interface. Includes commonly used electrical and datacom symbols: ohm, ground, phone, data, fax, plus prints bar Code 39 and Code 128. Prints on 1/4", 3/8", 1/2", and 3/4" Rhino tape; order separately on this page. Mfg. part no. 15517 Rhino 5000 labelmaker printer includes one black-on-white 3/4" polyester permanent Rhino tape, rubber bumper and operating instructions. Requires six AA batteries (not included).

Mfg. part no. 15603 Rhino 5000 industrial labelmaker printer kit includes mfg. part no. 15517 Rhino 5000 industrial labelmaker printer, mfg. part no. 15606 protective hardside carrying case, one black-on-white 3/4" Rhino flexible nylon labeling tape, one black-on-white 3/4" Rhino polyester permanent labeling tape, AC Adapter and 6 "AA" batteries.

Mfg. Part No.	Description	Stock No.	Price Each
			1-2
15517	Rhino 5000 Industrial Labelmaker Printer	85H1223	163.49
15603	Rhino 5000 Industrial Labelmaker Printer Kit	85H1225	217.99

RhinoPRO ACCESSORIES

15519	Rhino AC Adapter	85H1224	27.24
15606	Rhino 5000 Hard-Side Carrying Case	85H1228	32.69

(77726)

Rhino LABELS

DYMO



- Easy to peel, split back tape
- Permanent adhesive results in labels that stick and last in heavy duty environments
- Thermal transfer print technology is durable, smear-proof, chemical and solvent resistant

Portable labelers are only as good as the labels on which they print. Rhino series of labels were designed for a multitude of applications on a wide variety of surfaces.

Rhino PERMANENT POLYESTER CARTRIDGES

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 18482	3/8 black on white polyester permanent labeling tape	85H1229	17.43
● 18485	3/8 black on metallized polyester permanent labeling tape	85H1232	17.43
● 18483	1/2 black on white polyester permanent labeling tape	85H1230	17.43
● 18486	1/2 black on metallized polyester permanent labeling tape	85H1233	17.43
● 18484	3/4 black on white polyester permanent labeling tape	85H1231	19.61
● 18487	3/4 black on metallized polyester permanent labeling tape	85H1234	19.61

Rhino FLEXIBLE NYLON CARTRIDGES

● 18488	1/2 black on white flexible nylon labeling tape	85H1235	19.61
● 18490	1/2 black on yellow flexible nylon labeling tape	85H1237	19.61
● 18489	3/4 black on white flexible nylon labeling tape	85H1236	21.79
● 18491	3/4 black on yellow flexible nylon labeling tape	85H1238	21.79

Rhino HEAT SHRINK TUBING

● 18051	1/4 black on white heat shrink labels	33K2339	37.80
● 18052	1/4 black on yellow heat shrink labels	33K2340	37.80
● 18053	3/8 black on white heat shrink labels	33K2341	40.83
● 18054	3/8 black on yellow heat shrink labels	33K2342	40.83
● 18055	1/2 black on white heat shrink labels	33K2343	43.85
● 18056	1/2 black on yellow heat shrink labels	33K2344	43.85
● 18057	3/4 black on white heat shrink labels	33K2345	46.88
● 18058	3/4 black on yellow heat shrink labels	33K2346	46.88

(84924)

LABELS FOR LABELMANAGER AND LABELPOINT SERIES

DYMO

1/4" x 23' FOR USE WITH MODELS: LM110, LM150, LM200, LM300, LM350, LM400, LM450, LP250 AND LP350

Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● 43610	Black Print on Clear Tape	19C7451	19.62
● 43613	Black Print on White Tape	19C7452	19.62

1" x 23' FOR USE WITH MODELS: LM300, LM350 and LM450

● 53710	Black Print on Clear Tape	19C7454	27.25
● 53713	Black Print on White Tape	19C7455	27.25

(62279)

SHRINK TUBING LABELS

KROY

Shrink tubing labels for TM600/650. Sold in cartridges of 100'.

Mfg. Part No.	Type	Tube Size	Color	Stock No.	Price Each
2404201		0.125"	Black on White	19C7388	35.92
2404202		0.125"	Black on Yellow	19C7389	35.92
2404210		0.188"	Black on White	19C7390	37.01
2404211		0.188"	Black on Yellow	19C7391	37.01
2404220		0.250"	Black on White	19C7392	38.10
2404221		0.250"	Black on Yellow	19C7393	38.10

(62281)

0.8" UV COATED LABELS

KROY

For use in K2000-PC, K3000-PC, K2000 and K2500 only. Sold in lengths of 40'.

Mfg. Part No.	Description	Stock No.	Price Each
2438716	Black Image on White Tape	19C7408	37.01
2438743	Black Image on Yellow Tape	19C7413	37.01

(62373)

WIRE IDENTIFICATION & MARKING SYSTEMS

K3000-PC DESKTOP LABEL PRINTERS

Mfg. part no. K3000-PC compact, desktop thermal transfer label printers connects to personal computer running Windows 95[®], 98, 2000 or NT 4.0 and is compatible with most Windows software. Prints on a variety of media - industrial labels, shrink tube and self-laminating wire wraps. complete with printer, AC adapter, serial cable, software and print driver.



Mfg. Part No.	Description	Stock No.	Price Each
2554400	K3000-PC Thermal Transfer Printer	19C8147	162.41
2556600	K3000-PCAC Adapter w/120V US Power Cord	73C8738	87.15
2559000	Cleaning Kit, K2500/K3000-PC	19C7441	18.48

(62282)

0.5" UV COATED LABELS

For use in K2000-PC, K3000-PC, K2000 and K2500 only. Sold in lengths of 40'.

Mfg. Part No.	Description	Stock No.	Price Each
2487901	Black Image on Clear Tape	19C7426	37.01
2487916	Black Image on White Tape	19C7427	37.01
2487943	Black Image on Yellow Tape	19C7432	37.01
2487920	White Image on Black Tape	19C7429	37.01

(62374)

DURA MFG. PART NOS. 240SE AND 244RS LABEL PRINTERS AND ACCESSORIES



244SE



244RS

Mfg. part no. 240SE Thermal Transfer Label printer makes your labeling a breeze. Simply type in your message and press "print". Generate durable, adhesive-backed labels and barcodes in seconds, for file folders, electrical wires, name badges and shelves. Mfg. part no. 244RS DuraType Thermal Label printer operates alone or it can be connected to your PC with a RS-232 serial port to print labels directly from Windows[®] software. Prints up to four lines of text and has a built-in Code 39 barcode. Ideal for office, home and industrial identification needs. A variety of cartridges are available, general cartridges are for the Mfg. part nos. 240SE and 244RS labeling machines. Industrial and specialty which include: direct thermal tapes, die cut labels, shrink tubing, tamper evident tapes and aggressive adhesive tapes cartridges are for the Kroy 2500 hand-held labeler. Mfg. part nos. 2500 and K3000-PC labels also fit the mfg. part nos. K2000 and K2000-PC printers.

Mfg. Part No.	Description	Stock No.	Price Each
2562000	K4100 Computer-Compatible Desktop Label Printer Includes Owners Manual, Software and Drives, Serial Cable, AC Adapter with Power Cord	90H9194	325.91

GENERAL CARTRIDGES

Mfg. Part No.	Color	Width	Stock No.	Price Each
2227501	Black/Clear	0.5	26C0072	37.01
2227502	White/Clear	0.5	26C0074	37.01
2227503	Blue/Clear	0.5	90H9176	37.01
2227504	Red/Clear	0.5	95C1876	37.01
2227517	Blue/White	0.5	29C3773	37.01
2227518	Red/White	0.5	31C0860	37.01
2227519	Green/White	0.5	34C7597	37.01
2227520	White/Black	0.5	23C1526	37.01
2227521	Black/Silver	0.5	90H9177	37.01
2227526	Black/Red	0.5	06H1509	34.83
2227535	Black/Red	0.5	90H9178	37.01
2227536	White/Red	0.5	06H1508	37.01
2227539	Black/Green	0.5	90H9179	33.74
2227543	Black/Yellow	0.5	23C1531	37.01
2227549	White/Orange	0.5	90H9181	33.74
2227553*	Black/Clear	0.5	01H9646	37.01

INDUSTRIAL CARTRIDGES

Mfg. Part No.	Color	Width	Stock No.	Price Each
2357502	White/Clear	0.5	67C1142	42.46
2357-516	Black/White	0.5	20C5892	40.28
2357521	Black/Silver	0.5	90H9182	42.46
2357526	Black/Gold	0.5	90H9183	40.28
2357535	Black/Red	0.5	67H8692	42.46
2357536	White/Red	0.5	22C5306	42.46
2357539	Black/Green	0.5	90H9184	42.46

▶ CONTINUED ▶

DURA MFG. PART NOS. 240SE AND 244RS LABEL PRINTERS AND ACCESSORIES (CONT.)

INDUSTRIAL CARTRIDGES

Mfg. Part No.	Color	Width	Stock No.	Price Each
2357540	White/Green	0.5	23C8979	40.28
2438619	Green/White	1	90H9185	39.19
2438621	Black/Silver	1	68H8766	39.19
2438626	Black/Gold	1	90H9186	39.19
2438631	Black/Red	1	90H9187	39.19
2438632	White/Blue	1	35C5213	39.19
2438635	Black/Blue	1	90H9188	39.19
2438639	Black/Green	1	90H9189	39.19
2438640	White Green	1	90H9190	39.19
2558101	Black/Clear	1	90H9192	39.19
2558121	Black/Silver	1	73C6618	39.19
2558131	Black/Blue	1	73C6495	39.19
2558135	Black/Red	1	24C5574	39.19
2558143	Black/Yellow	1	73C6823	39.19
2558301	Black/Clear	0.5	24C4507	37.01
2558316	Black/White	0.5	24C4506	37.01
2560101	Black/Clear	0.375	39C0315	37.01
2558331	Black/Blue	0.5	73C9554	37.01
2558335	Black/Red	0.5	73C6494	37.01
2558343	Black/Yellow	0.5	73C6825	37.01
2560143	Black/Yellow	0.375	68H7966	37.01

SELF-LAMINATING WIRE WRAP ROLL CARTRIDGES

Mfg. Part No.	Color	Width	Stock No.	Price Each
97-VRAP-0176	White	1	90H9200	50.09
97-VRAP-0276W	White	1	90H9201	47.91
97-VRAP-0376W	White	1	90H9202	50.09
97-VRAP-0476W	White	0.5	90H9203	25.02
97-VRAP-0576W	White	1	90H9204	31.56
97-VRAP-0676W	White	0.75	90H9205	49.00
97-VRAP-0776	White	1	90H9206	51.18
97-VRAP-0876	White	2	90H9207	108.95
97-VRAP-0976	White	2	90H9208	103.80
97-VRAP-1176W	White	1	90H9209	56.63

SHRINK TUBING REELS

Mfg. Part No.	Color	Width	Stock No.	Price Each
98-WT31-0642	White	0.25	27C6248	171.08
2558116	Black/White	1	29C5392	39.19
2470012	Black/Yellow	0.187	31C1906	34.83
98-WT31-0342	White	0.125	61H8595	147.10
98-YT31-0642	Yellow	0.25	70C5225	171.08
98-YT31-0942	Yellow	0.375	70C5227	196.15
98-YT31-1242	Yellow	0.5	70C5229	215.77
98-YT31-1942	Yellow	0.375	70C5230	287.71
98-YT31-2542	Yellow	1	70C5232	381.45
98-WT31-1242	White	0.5	84C8763	215.77
98-WT31-0942	White	0.375	86H9467	196.15
98-WT31-0442	White	0.187	90H9210	160.18
98-WT31-1942	White	0.75	90H9211	287.71
98-YT31-0442	Yellow	0.187	90H9212	160.18
98-WT31-2542	White	1	94C1126	381.45
98-YT31-0342	Yellow	0.125	94C1129	147.10

TAMPER EVIDENT CARTRIDGES

Mfg. Part No.	Color	Width	Stock No.	Price Each
2487970	White	0.5	90H9191	39.19

TRANSFER RESIN RIBBONS

Mfg. Part No.	Color	Width	Stock No.	Price Each
92-BLK-PR243U	Black	2.43	90H9198	32.16
92-BLK-PR443U	Black	4.33	90H9199	54.44

*Architectural and Engineering Label Supply
(77994)

1" UV COATED LABELS

For use in K2000-PC, K3000PC, K2000 and K2500 only. Sold in lengths of 40'.

Mfg. Part No.	Description	Stock No.	Price Each
2438601	Black Image on Clear Tape	19C7396	39.19
2438602	White Image on Clear Tape	19C7397	39.19
2438616	Black Image on White Tape	19C7399	39.19
2438617	Blue Image on White Tape	19C7400	39.19
2438620	White Image on Black Tape	19C7402	39.19
2438636	White Image on Red Tape	19C7403	39.19
2438643	Black Image on Yellow Tape	19C7404	39.19

(62277)

WIRE IDENTIFICATION & MARKING SYSTEMS

LABEL AND WIRE MARKING PRINTERS



KROY

Features:

- Auto sizing
- Faster print speeds
- Self-contained battery charger (K5100 printer only)
- Quick response time
- Scalable and downloadable fonts
- Print resolution of 300dpi



K4100



K5100

Mfg. part no. 2562000 K4100 desktop industrial label printer offers a versatile line of supplies including industrial labels, self-laminating wire wraps and shrink tubing which gives its the flexibility to make labeling easy. **Mfg. part no. 2561000** K5100 hand-held portable label and wire marking printer offers flexibility on-site or at a desk. It can be taken anywhere for fast labeling at your fingertips. Both the K4100 and K5100 printers can be connected to your PC for customizing and printing labels, wire wraps and shrink tubing.

Mfg. Part No.	Description	Stock No.	Price Each
2562000	K4100 Computer-Compatible Desktop Label Printer Includes Owners Manual, Software and Drives, Serial Cable, AC Adapter with Power Cord	90H9194	325.91
2561000	K5100 Hand-Held Portable Label and Wire Marking Printer Includes Owners Manual, CD-ROM with KIDS Software and Drives, Serial Cable, and AC Adapter with Power Cord	90H9193	434.91

ACCESSORIES

2449300	K5100 (6) C-Size Rechargeable Nickel-Cadmium Batteries	42K5333	43.55
● 2562900	K4100 Carrying Case	88H1789	87.15
● 2563000	K5100/K4100 AC Adapter w/ 100V US Power Cord	90H9196	98.05
● 2563900	K5100 Carrying Case	90H9197	87.15

(77954)

SHRINK TUBE CARTRIDGE SUPPLIES

KROY

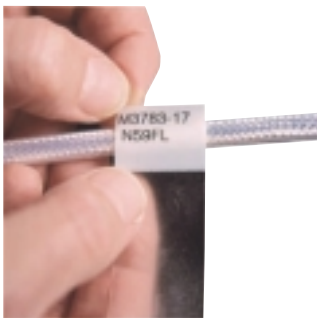
For use in K2500, K2000, K3000-PC and K200-PC machines. Heat-shrink tubing comes in lengths of 110".

Mfg. Part No.	Width	Color	Stock No.	Price Each
2470001	0.125" (3.2mm)	Black on White	19C7416	33.74
2470011	0.188" (4.8mm)	Black on White	19C7417	34.83
2470021	0.25" (6.4mm)	Black on White	19C7418	37.01
2470022	0.25" (6.4mm)	Black on Yellow	19C7419	37.01
2470031	0.38" (9.6mm)	Black on White	19C7420	39.19
2470032	0.38" (9.6mm)	Black on Yellow	19C7421	39.19
2470041	0.5" (12.8mm)	Black on White	19C7422	41.37
2470042	0.5" (12.8mm)	Black on Yellow	19C7423	41.37

(62274)

SELF-LAMINATING WIRE WRAP CARTRIDGE SUPPLIES

KROY



For use in K2500, K2000, K3000-PC and K2000-PC machines. Use to mark wires with connectors or after terminating (wraps around wire).

Mfg. Part No.	Size	Printable Area	Fits Wire	No. of Labels	Stock No.	Price Each
2556708	0.5 x 1"	0.25 x 1"	16-22	270	19C7440	33.74
1206N561J101NT	0.75 x 1"	0.375 x 1"	10-16	250	19C7436	33.74
2556707	1 x 1"	0.375 x 1"	10-12	175	19C7439	33.74
2556702	1.25 x 1"	0.5 x 1"	8-12	160	19C7434	33.74
2556703	2.5 x 1"	0.75 x 1"	6-10	110	19C7435	33.74
2556701	4 x 1"	1 x 1"	4-6	80	19C7433	33.74

(62275)

CABLE MARKER BOOKS



PSCB series blank white self-laminating pre-assembled marker books. Protect handwritten legend.

Mfg. Part No.	Overall Size	Write-On Area	Pkg. of	Stock No.	Price per Marker Book
PSCB-12	1.5 x 0.5"	0.62 x 0.5"	180	84F1733	36.56
PSCB-3	3 x 1"	0.75 x 1"	60	87F4651	35.16
● PSCB-5Y	5 x 1"	1 x 1"	30	51K6081	36.56

(6465)

PAN-CODE™ WIRE MARKER BOOKS



Vinyl cloth material with black legends on white background except for solid NEMA color books (**mfg. part no. PCMB-10**). Marker size: 1.375" (34.93) long for up to 0.375" (9.53) outer diameter with matching terminal marker. Feature 10 pages per book, except **mfg. part no. PCMB-25** which features 12 pages per book.

Mfg. Part No.	Legends	No. Markers/Each Legend	Stock No.	Price per Marker Book
● PCMB-1	0-9	45	87F6093	20.26
● PCMB-2	A-Z, 0-15, +, -, /	10	87F6383	20.26
● PCMB-3	1-45	10	87F6094	20.26
● PCMB-4	1, 2, 3	150	87F6384	20.26
● PCMB-5	A, B, C	150	87F6385	20.26
● PCMB-6	T1, T2, T3	150	87F6386	20.26
● PCMB-7	L1, L2, L3	150	87F6387	20.25
● PCMB-8	1-15 16-90 A-Z, +, -, /, 0	6 4 2	87F4562	20.26
● PCMB-9	1, 2, 3, A, B, C L1, L2, L3, T1, T2, T3	45 30	87F4563	20.26
● PCMB-10	NEMA Colors	45 ea.	87F4564	20.26
● PCMB-11	1-30	15	87F4565	20.26
● PCMB-12	A-Z + - Blank (Write-On)	15 8 7 21	87F4566	20.26
● PCMB-16	0-33, A, B, C, +, -, L1, L2, L3, T1, T2, T3	10 10	87F4567	20.26
● PCMB-25	0-9 L1, L2, L3, T1, T2, T3	45 15	87F4568	20.26

(6464)

PLD SERIES CABLE MARKER DISPENSER KITS



Mfg. part nos. S100X125VARY and **S100X225VARY** self-laminating vinyl marker kits contain dispenser, roll of blank markers, and marking pen. Marker tape rolls load easily into tough polypropylene dispenser.

Mfg. Part No.	Blank Markers			Stock No.	Price per Kit
	Overall Size	Write-On Area	Labels per Roll		
● S100X125VARY	1.0 x 1.5"	1.0 x .38"	200	52K3171	40.05
● S100X225VARY	1.0 x 3.0"	1.0 x .75"	100	52K3179	42.06

(13227)

WIRE IDENTIFICATION & MARKING SYSTEMS

PANDUIT® THERMAL TRANSFER SELF-LAMINATING WIRE MARKERS

Designed for permanent, clean identification of wire and cable. Labels are mounted on 1" (25.4mm) cores for a variety of thermal transfer desktop printer types including the Panduit mfg. part no. PTR2E and PTR3E printers. Vinyl material for indoor applications.



Mfg. Part No.	Label Size W x L	Print-On Area W x L	Labels per Roll	Stock No.	Price per Roll
● S100X150VA1Y	1.00" x 1.50"	1.00" x 0.50"	2500	51K9653	164.12
● S200X225VA1Y	2.00" x 2.44"	2.00" x 1.00"	500	51K9718	123.75
● S200X400VA1Y	2.00" x 3.94"	2.00" x 1.00"	500	51K9721	184.36

(62371)

MFG. PART NO. TDP43M THERMAL TRANSFER PRINTER AND ACCESSORIES

Mfg. part no. TDP43M 300 dpi thermal transfer printer creates crisp, clear legends with superior legibility at speeds up to 2.00" per second design enables use in office or remote locations. Use to print a wide variety of self-laminating labels, component labels, non-laminated heat shrink labels up to 4.00" wide. Easy-Mark™ labeling software and hybrid ribbon included with printer. Mfg. part no. TDP43M is for PC's and Panduit Easy-Mark™ or Pan-Mark™ 2.5 for WINDOWS labeling software.



Mfg. Part No.	Description	Stock No.	Price Each
● TDP43M	300 dpi Printer; Includes Printer, Panduit® EASY-MARK™ Labeling Software, RMH4BL Hybrid Black Ribbon, AC Power Adapter with US and Europlug Power Cords, Manual and Quick Start Card	08J3990	1380.65

(84226)

EASY MARK® LABELING SOFTWARE

Generate computer printable labels quickly and easily with EASY-MARK® labeling software. Designed for Windows 98, Me, 2000, NT4.x or XP operating systems, supports most Windows printer drivers and is compatible with standard desktop printers including Panduit® thermal transfer desktop printers. Recommended minimum 64 MB hard drive space and 32 MB RAM. Features include: database importing, symbol library and image import, alpha-numeric serialization and much more. All Panduit® label formats are preloaded and ready to use.



Mfg. Part No.	Description	Stock No.	Price Each
PROG-EMCD3	Easy-Mark Labeling Software, CD-ROM	56K4954	200.34

(7963)

SELF-LAMINATING LABELS FOR PAN-DOT™ LS3E HAND-HELD DOT MATRIX PRINTER

Labels offer crisp, clear legends with superior legibility. Self-laminating labels supplied on rolls, include a colored print-on area and clear overlaminate to protect the legend for clear and durable identification.

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Area Height (in.)	Labels Per Roll	Stock No.	Price per Roll
● S050X075VA3Y	.50	.75	.25	250	52K3160	21.72
● S100X125VA3Y	1.00	1.25	.38	250	52K3172	33.58
● S100X150VA3Y	1.00	1.50	.50	250	52K3174	36.21
● S100X225VA3	1.00	2.25	.75	150	08J3955	25.65

(84232)

LS8E SERIES PANTHER™ HAND-HELD THERMAL TRANSFER PRINTER AND ACCESSORIES**Just Added**

- Cut-to-length functionality eliminates label waste
- Partial cut feature provides tear-apart strips of labels
- Fast-loading label cassette includes both labels and ribbon
- Large graphic display with backlight for improved visibility

LS8E series PanTher™ hand-held, thermal transfer printer prints self-laminating cable labels, continuous tapes and die-cut labels for patch panels, faceplates and other network applications. The label cassette contains an integrated memory device for automatic formatting, recall of last legend used and number of labels remaining in cassette. Order accessories separately below. Label cassettes are available; go online or call.

Mfg. Part No.	Kit Contents	Stock No.	Each
LS8E	LS8E Panther Printer, One Cassette of S100X150VAC Self-Laminating Labels, Six AA Batteries and a Quick Reference Card	39M3229	520.18
LS8E-KIT	LS8E Panther Printer, One Cassette of S100X150VAC Self-Laminating Labels, Six AA Batteries, Hardside Carrying Case, LS8-PCKIT PC Interface Kit, LS8-IB Protective Impact Bumper, LS8-WS Wrist Strap and a Quick Reference Card	39M3230	596.68

ACCESSORIES

Mfg. part no. LS8-PCKIT includes USB cable and PC interface software for importing data, system upgrades, and printing from a wireless laptop or desktop computer.

Mfg. Part No.	Description	Stock No.	Each
LS8-PCKIT	PC Interface Kit	67K8123	31.52
● LS8-ACS*	120VAC Power Adapter for North America	67K8117	89.74
LS8-CASE	Hardside Carrying Case	67K8119	86.68
LS8-IB	Protective Impact Bumper	67K8121	18.91
LS8-WS	Wrist Strap	67K8124	18.91

*Not used to charge batteries
(90843)

LS9 SERIES COUGAR™ HAND-HELD THERMAL TRANSFER PRINTER AND ACCESSORIES**Just Added**

- Partial cut feature provides tear-apart strips of labels
- Fast loading label cassette includes both labels and ribbon
- Legends can be easily aligned with ports on patch panels and faceplates
- Large graphic display for improved visibility

Mfg. part no. LS9 powerful Cougar™ hand-held, thermal transfer printer prints on a variety of continuous industrial label material tapes for wire/cable marking, components labeling, patch panels, faceplates, safety and facility identification, and other network and electrical applications. Also prints continuous military and commercial-grade heat shrink tubing. P1™ label cassette contains an integrated memory device for automatic formatting, recall of last legend used and number of labels remaining in cassette. Designed to meet the demanding requirements of electrical and network users, the Cougar™ printer is ideal for use in the field. Order accessories separately below. Label cassettes are available; go online or call.

Mfg. Part No.	Kit Contents	Stock No.	Price Each
LS9	LS9 Cougar Printer, One Cassette of T100X000VPC-BK Continuous Tape, Six AA Batteries and a Quick Reference Card	31M8332	191.73

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
LS9-ACS*	120 VAC Power Adapter for North America	35M5099	74.79
LS9-CASE	Hardside Carrying Case	34M2699	72.24
LS9-IB	Protective Impact Bumper	35M5102	18.91
LS9-WS	Wrist Strap	35M5103	18.91
LS9-CLN	Cleaning Kit	35M5101	65.22

*Not used to charge batteries
(90844)

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(94650)

WIRE IDENTIFICATION & MARKING SYSTEMS

SELF-LAMINATING
LABELS FOR LASER/INK
JET PRINTERS

Labels can be printed in both laser and ink jet printers. Self-laminating labels include a colored print-on area and clear overlaminates to protect the legend for clear and durable identification. Available in polyester material and supplied on 8.50" x 11.00" sheets. Labeling software packages include all label formats for quick and easy label production.

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Height (in.)	Pkg. Qty.	Stock No.	Price per Pkg.
● S100X125YAJ	1.00	1.25	.38	2500	08J3933	189.04
● S100X150YAJ	1.00	1.50	.50	2500	08J3940	216.73
● S100X225YAJ	1.00	2.25	.75	1000	02J8312	179.88
● S100X400YAJ	1.00	4.00	1.00	1000	08J3964	202.25
● S100X650YAJ	1.00	6.50	1.50	1000	08J3969	344.61

(84218)

VIPER™ LS6 SERIES
PORTABLE THERMAL
TRANSFER PRINTER AND
ACCESSORIES

Rugged, industrial, multi-purpose, 203 dpi thermal transfer printer creates crisp, clear legends with superior legibility, for electrical, network and facility identification. Use to print a wide variety of self-laminating labels, component labels, non-laminated labels, continuous tapes and heat shrink labels up to 2.00" wide. Powered by a NiMH (Nickel Metal Hydride) rechargeable battery pack (included). Fast-loading ribbon cartridge lets you slide, lock and go. Advanced functions include serialization, barcode printing, vertical and horizontal lines, rotate text, date and time stamp, variety of font sizes and a symbol library containing over 40 electrical, network and facility identification symbols.



Mfg. Part No.	Description	Stock No.	Price Each
● LS6-KIT	Viper LS6 Portable Thermal Transfer Printer Kit — Includes Printer, type LS6-RWBLK Ribbon, Rechargeable NiMH Battery Pack, 120V AC Adapter/Battery Charger, Hardside Carrying Case and Operator Manual	33C4145	988.80
● LS6-RHBLK	Black Hybrid Printer Ribbon, 2"W x 100'L — For Use With Panduit LS6 Model Thermal Transfer Printer	90H8967	31.76
● LS6-RRBLK	Black Resin Printer Ribbon, 2"W x 100'L — For Use With Panduit LS6 Model Thermal Transfer Printer	19C7121	31.76
● LS6-RRWHT	White Resin Printer Ribbon, 2"W x 75'L — For Use With Panduit LS6 Model Thermal Transfer Printer	19C7122	35.28
● LS6-RWBLK	Black Wax Printer Ribbon, 2"W x 100'L — For Use With Panduit LS6 Model Thermal Transfer Printer	33C4146	31.76
● LS6-BP	Replacement NiMH Rechargeable Battery Pack	19C7120	132.44
● LS6-CLN	Printer Cleaning Cards Sold in Pkg. of 5	85C1002	18.60
● LS6-PCKIT	PC Interface Kit — Includes Serial Cable and VIPERLINK Software	85C1003	60.95

(62178)

RIBBONS FOR MFG. PART
NO. TDP43M THERMAL
TRANSFER PRINTER

Mfg. Part No.	Description	Width (in.)	Roll Length (ft.)	Stock No.	Price per Roll
● RMH2BL	Black, Hybrid Thermal Transfer Ribbon. For use with Self-Laminating, Component, Heat Shrink and Non-Laminated Labels	2.52	240	08J3470	23.19
● RMH4BL		4.33	240	08J3471	40.20
● RMR2BL	Black, Resin Thermal Transfer Ribbon. For Use with Component Labels and Continuous Tape	2.52	240	08J3472	21.64
● RMR4BL		4.33	240	08J3474	39.66
● RMW2BL	Black, Wax Thermal Transfer Ribbon. For Use with Self-Laminating Vinyl and Non-Laminated Labels	2.52	240	08J3479	19.50
● RMW4BL		4.33	240	08J3480	40.20

(84227)

HEAT-SHRINK LABELS
FOR PAN-QUIK™ LS3E
DOT MATRIX PRINTER

Labels offer crisp, clear legends with superior legibility. Shrink ratio 3:1 Pre cut flattened polyolefin mounted on plastic carrier. Sold in rolls.

Mfg. Part No.	Width (in.)	Height (in.)	Labels per Roll	Stock No.	Price per Roll
● H050X025F13	.50	.25	200	08J1496	50.63
● H100X034F13	1.00	.34	100	08J0461	64.92
● H100X044F13	1.00	.44	100	08J0462	76.71
● H100X084F13	1.00	.84	100	08J0463	130.05

(18436)

NON-LAMINATED/FLAG
STYLE LABELS FOR USE
WITH
VIPER™ LS6 PORTABLE
THERMAL TRANSFER
PRINTER

Labels offer crisp, clear legends with superior legibility. Available in vinyl cloth material for long term or temporary labeling. Sold in rolls.

Mfg. Part No.	Width (in.)	Length (in.)	Print-On Area Height	Labels Per Rolls	Stock No.	Price per Roll
● N050X075CB6	.50	.75	.75	500	07J0580	53.40
● N050X150CB6	.50	1.50	1.50	250	07J0581	58.48
● N100X125CB6	1.00	1.25	1.25	250	07J0582	63.38
● N100X175CB6	1.00	1.75	1.75	250	07J0583	63.56

(82403)

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(84637)

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WIRE IDENTIFICATION & MARKING SYSTEMS

LABEL DISPENSERS

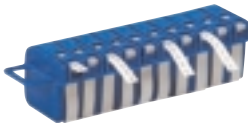
Just Added

Tyco
Electronics

WCD



CMD Color Label



CMD Numbers

- Aggressive acrylic adhesive impervious to oil and water
- Operating temperature: -40°C to +80°C

WCD series dimensions: 47.6(1.87)L x 19.0(0.75)W mm(inches). 150 markers per pack. CMD series dimensions: 32.0(1.25)L x 6.4(0.25)W mm(inches). 10 x 76 markers per pack.

WCD LABEL DISPENSER

Mfg. Part No.	Description	Stock No.	Price Each
● WCD-476	Write-on Self-laminating Dispenser	41M0523	22.08

CMD CABLE AND WIRE DISPENSER

● CMD-0-9	Loaded Dispenser Pre-Marked 0 - 9 Markers	41M0521	43.10
● CMD-CC	Loaded Dispenser Color Coded Markers	41M0503	43.10
● CMD-EMPTY	Empty Dispenser	41M0507	29.27

ACCESSORIES

● CMD-0-9-REFILL	Refill Box per-marked 0 to 9	41M0522	29.27
● CMD-CC-REFILL	Refill Box Color Coded	41M0504	29.27
● CMD-A-REFILL	Refill Box Rer-Marked A	41M0500	29.27
● CMD-B-REFILL	Refill Box Rer-Marked B	41M0501	29.27
● CMD-C-REFILL	Refill Box Rer-Marked C	41M0502	29.27
● CMD-D-REFILL	Refill Box Rer-Marked D	41M0505	29.27
● CMD-E-REFILL	Refill Box Rer-Marked E	41M0506	29.27
● CMD-F-REFILL	Refill Box Rer-Marked F	41M0508	29.27
● CMD-G-REFILL	Refill Box Rer-Marked G	41M0509	29.27
● CMD-H-REFILL	Refill Box Rer-Marked H	41M0510	29.27
● CMD-L-REFILL	Refill Box Rer-Marked L	41M0511	29.27
● CMD-N-REFILL	Refill Box Rer-Marked N	41M0513	29.27
● CMD-R-REFILL	Refill Box Rer-Marked R	41M0515	29.27
● CMD-S-REFILL	Refill Box Rer-Marked S	41M0516	29.27
● CMD-T-REFILL	Refill Box Rer-Marked T	41M0517	29.27
● CMD-U-REFILL	Refill Box Rer-Marked U	41M0518	29.27
● CMD-V-REFILL	Refill Box Rer-Marked V	41M0519	29.27
● CMD-W-REFILL	Refill Box Rer-Marked W	41M0520	29.27
● CMD-MINUS-REFILL	Refill Box Rer-Marked -	41M0512	29.27
● CMD-PLUS-REFILL	Refill Box Rer-Marked +	41M0514	29.27

(94347)

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SEARCH



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(94642)

UNIQUE IDENTIFICATION
PROGRAM (UID)
LABELING AND DECODING
SYSTEMTyco
Electronics

Thermal Transfer Printer

VLD-100 Hand-Held
Imager/ValidatorVRF-100 Data
Matrix 2D Verifier

THERMAL TRANSFER PRINTERS

T300 and T400 series robust, computer-driven thermal transfer printers are specially designed to produce high-quality alpha/numeric text, graphic images, barcodes and 2D Data Matrix marks for UID applications using PrintEasy label design and printing software, *ordered separately below*. Ideal for use with Tyco Electronics/Raychem's range of thermal transfer printable label products, *order separately on pages 1131-1132*. Rugged and durable metal construction makes these printers suitable for demanding industrial and commercial environments. Enhanced memory and 32 bit processor provide fast data processing and print speeds. *Order printer ribbons separately below*.

T300 series printers are high-performance, yet cost-effective thermal transfer printers with a 4.1" printhead and print speeds of 8" per second.

Mfg. part no. T424S high-performance thermal transfer printer is suitable for a variety of "mission critical" applications. With the highest print resolution of 600 dpi, its 3.2" printhead and print speed of 4" per second produces unmatched quality printing in a limited space.

Mfg. Part No.	Description	Print Resolution (dpi)	Stock No.	Price Each
T308S-PRINTER	High-Performance Thermal Transfer Printer, Standard Heavy-Duty	200	29K8326	2436.12
T312M-PRINTER	High-Performance Thermal Transfer Printer, Standard Heavy-Duty	300	29K8327	3586.25
T312M-R-PRINTER	High-Performance Thermal Transfer Printer with Internal Rewind	300	74K2262	4064.60
T424S-PRINTER	High-Performance and High-Speed Thermal Transfer Printer	600	74K2263	5673.80

PRINTEASY SOFTWARE

Supports the four thermal transfer printers; *ordered separately above*. All versions feature True-Type fonts and printer fonts to produce high-quality 2D Data Matrix barcodes, text and graphics. Window-based with true WYSIWYG display. PC compatible. PrintEasy-Suite also features four extra modules: Database Designer, FrontEnd Designer, Remote Control Designer and Memory Card Wizard. PrintEasy-NET05 is a networking version of PrintEasy-Suite with an administration program and five licenses.

Mfg. Part No.	Description	Stock No.	Price Each
PRINTEASY-PRO	PrintEasy-Pro Label Design and Printing Software	61J3493	583.40
PRINTEASY-SUITE	PrintEasy-Suite Label Design and Printing Software	61J3496	1061.72
PRINTEASY-NET05	PrintEasy-Net05 Label Design and Printing Software	61J3807	2550.25

BLACK RESIN RIBBONS FOR T300 SERIES PRINTERS — 4.33" WIDE x 984' LONG

Mfg. Part No.	Compatible Labels	Stock No.	Price Each
● TMS-RJS-RIBBON-4RPSCE	For Use on RPS and TMS-SCE Series Wire Marker Sleeve Products	29K8322	56.08
1330-0606-10	For Use on SB, NC, WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	29K8328	81.71
1330-0607-10	For Use on WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	29K8329	74.07

BLACK RESIN RIBBONS FOR T400 SERIES PRINTERS — 3.15" WIDE x 984' LONG

1330-0607-08	For Use on WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	80K5351	66.95
● 1330-0606-08	For Use on SB, NC, WP, HW, MP, HM, HMM, CP, MV, TN, WV, SP, TTP, TTPA and HPK Series Label Products	80K5350	57.41
● 1330-0619-08	For Use on T1K, T2K, TSK and T2Y Series Label Products	23K8446	72.10
● 1330-3300-08	For Use on PVF, TTVF and PVF-Self Laminated Series Label Products	80K5352	56.29
1330-0600-08	For Use on EP Series Label Products	80K5349	33.14

IMAGER, IMAGER/VALIDATOR AND VERIFIER FOR UID APPLICATIONS

Mfg. part no. BSC-200 is a portable, battery-operated, hand-held 2D imager that reads ordinary linear barcodes, barcode symbols and Data Matrix symbols, used in UID applications, at varying distances from 2" to 20" (50.8 to 508mm). Feature point-and-click targeting, red laser point centering and fast processing. Beeper, vibrator and multi-purpose LEDs signal successful decoding. Uses mfg. part no. VLD-100-BATTERY rechargeable 1300mAh lithium-ion battery pack; *order separately below*.

Mfg. part no. VLD-100-BAT is optimized to read both linear bar codes and 2D symbols. This aggressive hand-held, high-resolution imager/validator is a wireless way to collect thousands of decoded symbols for later download, capable of performing more than 4000 reads from a single battery charge and buffer a minimum of 1MB of data in non-volatile memory. Decodes symbols on low-contrast substrates such as metal, plastic, rubber, vinyl and glass. Reads marking methods such as dot peen, thermal transfer and laser/chemical etch. Features point-and-click targeting and red laser spot centering. Beeper, vibrator and multi-purpose LEDs signal successful decoding. Mfg. part no. VLD-101-CONN-KIT includes mfg. part no. VLD-100-BAT imager/validator, mfg. part no. VLD-100-BATTERY rechargeable 1300mAh lithium-ion battery pack and storage case. The imager/validator and battery pack are also available separately.

Mfg. part no. VRF-100-KIT-15415 is an ISO/IEC15415- and AS9132-compliant Data Matrix verifier for use in

▶ CONTINUED ▶

WIRE IDENTIFICATION & MARKING SYSTEMS

UNIQUE IDENTIFICATION PROGRAM (UID)
LABELING AND DECODING SYSTEM (CONT.)

production environments. Verifies that UID code and Data Matrix marks are accurate and conform to quality standards called out in MIL specifications. This fixed-mount, compact device has a fully-contained housing, making it easy to integrate into existing production environment applications. Factory-calibrated to specific traceability standards so no on-site calibration of optics or lighting is needed to verify marks. Simply present the part to the verifier, then trigger, and receive the symbol quality report. Kit includes verifier, monitor and required connections.

Mfg. Part No.	Description	Stock No.	Price Each
BSC-200	Hand-Held Barcode and 2D Imager	67K2935	1001.94
VLD-100-CONN-KIT	Hand-Held Barcode and 2D High-Resolution Imager/Validator Kit	67K2933	225.21
VLD-100-BAT	Hand-Held Barcode and 2D High-Resolution Imager/Validator	67K2928	2062.19
VLD-100-BATTERY	Rechargeable Lithium-ion Battery Pack for Mfg. Part Nos. BSC-200 Imager and VLD-100-BAT Imager/Validator	80K5348	166.30
VRF-100-KIT-15415	Data Matrix 2D Verifier Kit	68K9607	8917.81

(87097)

MFG. PART NO. T107M-SMS
HIGH-PERFORMANCE
IDENTIFICATION AND
LABELING PRINTER KIT

Tyco Electronics

- Professional quality, smudge-free label printing
- Hand-held, easy-to-use design
- One-touch "Hot Key" functionality: Wrapping, Fixed Length, Vertical Print, Module Marking, Patch Panel and Serialization
- Thermal transfer printhead (180 dpi)
- Extra-large, 2-line, 30-character backlit LCD display
- Oversized keys
- Rechargeable battery pack
- Easy-to-install labeling tape cassettes
- CE compliant



T107M



Labeling Tape Cassettes

Mfg. part no. T107M thermal transfer printer provides on-site, on-demand solutions for nearly all industrial identification and labeling requirements. Keyboard features alpha A thru Z, numeric 0 through 9, commonly used electrical and datacom symbols like ohm, ground, phone, data and fax and also prints code 39 and code 128 bar codes. Printer is bright orange with gray rubber bumper for extra protection. Kit includes printer, hardside carrying case, six AA batteries, AC power adapter, one 19mm wide white nylon-cloth labeling tape cassette, one 12mm wide white permanent polyester labeling tape cassette and users guide. SMS series of labeling tape cassettes were designed especially for use with the mfg. part no. T107M printer. Order additional labeling tape cassettes separately below.

Mfg. Part No.	Description	Stock No.	Price Each
T107M-SMS-PRINTER-KIT-US	Thermal Transfer Label Printer Kit	69K1140	219.56

HEAT-SHRINK TUBING LABELING TAPE CASSETTES — 3:1 SHRINK RATIO, 1.5M LONG

Mfg. Part No.	Cable Dia. Range (mm)	Color	Stock No.	Price Each
● SMS-TMS-3.9-4	1.18 to 2.33	Yellow	78K5410	39.04
● SMS-TMS-3.9-9	1.18 to 2.33	White	78K5411	39.04
● SMS-TMS-5.2-4	1.73 to 3.73	Yellow	78K5412	45.29
● SMS-TMS-5.2-9	1.73 to 3.73	White	78K5413	45.29
● SMS-TMS-7.9-4	2.97 to 5.13	Yellow	78K5414	46.85
● SMS-TMS-13.2-9	4.64 to 8.70	White	87K0815	49.97

FLEXIBLE NYLON-CLOTH LABELING TAPE CASSETTES — 3.5M LONG

Mfg. Part No.	Width (mm)	Color	Stock No.	Price Each
● SMS-NC-12-4	12	Yellow	78K5408	29.68
● SMS-NC-12-9	12	White	78K5409	29.68
● SMS-NC-19-9	19	White	69K1404	32.79

VINYL LABELING TAPE CASSETTES — 5.5M LONG

● SMS-V-12-4	12	Yellow	69K1411	26.14
● SMS-V-12-9	12	White	69K6621	26.14
● SMS-V-19-2	19	Red	69K1415	29.23
● SMS-V-19-4	19	Yellow	69K1417	29.23
● SMS-V-19-5	19	Green	69K1420	29.23
● SMS-V-19-9	19	White	69K1423	29.68

PERMANENT POLYESTER LABELING TAPE CASSETTE — 5.5M LONG

● SMS-WP-12-9	12	White	69K1427	26.53
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NON-ADHESIVE LABELING TAG CASSETTES — 5.5M LONG

● SMS-PPNA-6-9	6	White	69K1405	23.43
● SMS-PPNA-9-9	9	White	69K1408	23.67

(87092)

MFG. PART NO. T208M
PORTABLE THERMAL
TRANSFER PRINTER AND
ACCESSORIES

Tyco Electronics

Mfg. part no. T208M standard, light-duty desktop thermal transfer printer with a 4.1" 200 dpi printhead. The lightweight design makes it ideal for applications requiring portability or in environments with multiple workstations where space is limited. For use with TMS series heat-shrinkable wire marker sleeves and thermal transfer printable pressure sensitive labeling products. Features 256KB SRAM and 512KB flash memory with parallel (Centronics) and serial (RS232) interface. Print speed: 2" per second max. Dimensions: 7.9" W x 9.75" D x 6.75" H. Order WinTotal wire marker and label printing software and other accessories separately below.



Mfg. Part No.	Description	Stock No.	Price Each
T208M-PRINTER	Portable Thermal Transfer Printer, Standard Light-Duty	29K8325	716.65

ACCESSORIES

WinTotal wire marker and label printing software is Windows-based and PC compatible. Features powerful import and export functions, printer multi-tasking, multiple on-screen languages and WYSIWYG label design and display. Mfg. part no. TMS-101 high-durability, black-resin, thermal transfer ribbon for use on RPS and TMS-SCE series wire marker sleeve products.

Mfg. Part No.	Description	Stock No.	Price Each
TMS-WINTOTAL-SWARE	WinTotal Wire Marker and Label Printing Software	26K5987	451.12
● TMS-101-RIBBON-4RPSCE	Black Resin Thermal Transfer Ribbon for T200 Series Printers	29K8323	31.04
T200-LABEL-SPINDLE	Label Spindle for T200 Series Thermal Transfer Printers	29K8324	102.49

(84712)

HLX NEL TIE-ON CABLE
MARKER TAGS

Just Added

Tyco Electronics

- Operating temperature: -40°C to 105°C
- Rail, industrial and marine applications

Marker dimensions W x H: 80.00 x 12.50(3.15 x 0.49) mm(inches). Printable area dimensions W x H: 60.00 x 10.50(2.35 x 0.40) mm(inches).



Cable Marker Tags

Mfg. Part No.	No. of Markers Across	Color	Stock No.	Price Each
● HLX125WE2NEL60S	2	White	42M3482	65.95
● HLX125WE4NEL60S	4	White	42M3483	65.95
● HLX125YW2NEL60S	2	Yellow	42M3484	65.95
● HLX125YW4NEL60S	4	Yellow	42M3485	65.95

PRINTER

Mfg. Part No.	Description	Dimensions mm(in.)	Stock No.	Price Each
T212M-PRINTER	Thermal Transfer	200 x 247 x 171 (7.9) x 9.75 x 6.8)	23K2408	841.08

RIBBON

● T200-RIBBON-1966	Thermal Transfer (Black Resin Ink)	74 x 110 (242ft x 4.33)	67K2418	74.42
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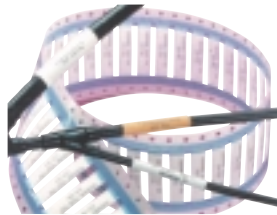
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WIRE IDENTIFICATION & MARKING SYSTEMS

TMS-SCE SERIES MILITARY-GRADE HEAT-SHRINKABLE WIRE IDENTIFICATION SLEEVES



- Permanent identification sleeves
- Computer-printable
- Lightweight for aerospace applications
- Military specification material and print performance
- 3:1 shrink ratio
- VW all flame tubing test rated
- Quick recovery for heat-sensitive areas



TMS-SCE series military-grade heat-shrinkable marker sleeves are made from durable, flame-retardant, radiation cross-linked polyolefin. Printable by dot matrix or thermal transfer printers, the marks are permanent immediately after printing and remain legible even when exposed to abrasion, aggressive cleaning solvents, and military fuels and oils. The sleeves meet the mark permanence requirements of SAE-AMS-DTL-23053/5 classes 1 and 3, as well as SAE AS1531 4.6.2 and MIL-STD-202F both before and after shrinking. Operating temperature range: -55°C to +135°C. UL recognized (Standard 224, file E35586), CSA certified (file 31929).

Mfg. Part No.	Color	Expanded ID (in.)	Recovered ID (in.)	Qty. per Roll	Stock No.	Price per Roll
● TMS-SCE-3/32-2.0-4	Yellow	0.093	0.031	250	67K9542	173.81
● TMS-SCE-3/32-2.0-9	White	0.093	0.031	250	17M9323	179.20
● TMS-SCE-3/32-2.0-S1-4*	Yellow	0.093	0.031	250	17M9321	197.12
● TMS-SCE-3/32-2.0-S1-9*	White	0.093	0.031	250	17M9322	197.12
● TMS-SCE-1/8-2.0-4	Yellow	0.125	0.042	250	67K9537	189.77
● TMS-SCE-1/8-2.0-9	White	0.125	0.042	250	41M0777	189.77
● TMS-SCE-1/8-2.0-S1-4*	Yellow	0.125	0.042	250	67K9536	208.74
● TMS-SCE-1/8-2.0-S1-9*	White	0.125	0.042	250	17M9938	205.66
● TMS-SCE-1K-1/8-2.0-9	White	0.125	0.042	1000	36C3108	735.84
● TMS-SCE-3/16-2.0-4	Yellow	0.187	0.062	250	67K9540	230.02
● TMS-SCE-3/16-2.0-9	White	0.187	0.062	250	67K9541	184.52
● TMS-SCE-3/16-2.0-S1-4*	Yellow	0.187	0.062	250	67K9538	220.08
● TMS-SCE-3/16-2.0-S1-9*	White	0.187	0.062	250	67K9539	252.98
● TMS-SCE-1K-3/16-2.0-9	White	0.187	0.062	1000	82H2157	892.36
● TMS-SCE-3/8-2.0-4	Yellow	0.375	0.125	250	41M0783	399.00
● TMS-SCE-3/8-2.0-9	White	0.375	0.125	250	41M0784	385.28
● TMS-SCE-1K-3/8-2.0-9	White	0.375	0.125	1000	41M0780	1541.12
● TMS-SCE-1/4-2.0-4	Yellow	0.250	0.083	250	67K9534	287.98
● TMS-SCE-1/4-2.0-9	White	0.250	0.083	250	67K9535	250.60
● TMS-SCE-1/4-2.0-S1-4*	Yellow	0.250	0.083	250	67K9533	316.82
● TMS-SCE-1/4-2.0-S1-9*	White	0.250	0.083	250	17M9937	312.13
● TMS-SCE-1K-1/4-2.0-9	White	0.25	0.083	1000	41M0779	1117.48
● TMS-SCE-1/2-2.0-4	Yellow	0.5	0.166	250	67K9531	403.41
● TMS-SCE-1/2-2.0-9	White	0.500	0.166	250	67K9532	403.41
● TMS-SCE-1/2-2.0-9-CS2170	White	0.5	0.166	250	41M0776	441.35
● TMS-SCE-1K-1/2-2.0-9	White	0.5	0.166	1000	41M0778	1792.00
● TMS-SCE-3/4-2.0-4	Yellow	0.75	0.25	250	41M0781	693.00
● TMS-SCE-3/4-2.0-9	White	0.75	0.25	250	41M0782	695.31
● TMS-SCE-1-2.0-4	Yellow	1	0.333	250	41M0774	868.00
● TMS-SCE-1-2.0-9	White	1	0.333	250	41M0775	868.98
● TMS-SCE-1-1/2-2.0-4	Yellow	1.5	0.5	250	41M0772	1078.00
● TMS-SCE-1-1/2-2.0-9	White	1.5	0.5	250	41M0773	1078.00

*1 perforated score (84666)

T2K SERIES KAPTON® POLYIMIDE THERMAL TRANSFER PRINTABLE LABELS



- Gloss white topcoat
- High-temperature permanent acrylic adhesive

T2K series Kapton® polyimide labels are ideal for high-temperature labeling requirements such as printed circuit boards and auto apply applications. They are suitable for direct wave (bottom side) and IR reflow (top side) PCB applications. Designed to withstand the fluxes, cleaning solvents and molten solder encountered in the manufacture of printed circuit boards. Offer excellent contrast for bar code applications. Flash exposure service temperature: +538°C (+1000°F). UL listed. **Sold in rolls.**



Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● T2K-080080-10-9	0.315	0.315	10000	29K8247	0.10
● T2K-095095-10-9	0.375	0.375	10000	29K8248	0.07
● T2K-165051-25-9	0.650	0.200	25000	29K8249	0.07
● T2K-191064-10-9	0.750	0.250	10000	29K8250	0.10
● T2K-229064-10-9	0.900	0.250	10000	29K8251	0.11
● T2K-318064-10-9	1.250	0.250	10000	29K8252	0.16
● T2K-381064-10-9	1.500	0.250	10000	29K8253	0.18

(84669)

NC SERIES NYLON CLOTH THERMAL TRANSFER PRINTABLE LABELS



- Surface coating applied to enhance ink receptivity
- Flexible material conforms to curved surfaces

NC series thermal transfer printable, flexible nylon cloth labels with a permanent acrylic adhesive, are designed for application to irregular surfaces where conformability is required. Ideal for wire marking and other round or flexible surfaces such as cable and tubing. Service temperature: -40°C to +140°C. Color: white. **NOTE:** not recommended for outdoor use or immersion in liquid. **Sold in rolls.**

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
NC-076191-10-9	0.300	0.750	10000	29K8296	0.03
● NC-095095-10-9	0.375	0.375	10000	29K8297	0.02
● NC-127191-10-9	0.500	0.750	10000	29K8298	0.04
● NC-127365-10-9	0.500	1.437	10000	29K8299	0.08
NC-165051-25-9	0.650	0.020	25000	29K8300	0.03
● NC-191064-10-9	0.750	0.250	10000	29K8301	0.03
● NC-191254-10-9	0.750	1.000	10000	29K8302	0.06
NC-254097-10-9	1.000	0.380	10000	29K8303	0.04
NC-254127-10-9	1.000	0.500	10000	29K8304	0.06
NC-508127-5-9	2.000	0.500	5000	29K8305	0.09

(84675)

MP SERIES METALIZED POLYESTER THERMAL TRANSFER PRINTABLE LABELS



- Metalized appearance
- Ideal for rating plate applications



MP series thermal transfer printable metalized polyester film with a permanent acrylic adhesive, designed for rating plates and other applications that require a metal look, such as nameplates, equipment labels, detailed product information labels and serial number plates. Service temperature: -40°C to +150°C. UL listed, CSA certified. **Sold in roll quantities indicated in table below.**

Mfg. Part No.	Label Width (in)	Label Height (in.)	Labels Per Roll	Stock No.	Price per Label
● MP-191064-10-8A	0.750	0.250	10000	17M9308	87.92
● MP-254097-10-8A	1.000	0.380	10000	17M9309	119.32
● MP-254127-10-8A	1.000	0.500	10000	17M9310	164.85
● MP-318064-10-8A	1.250	0.250	10000	17M9311	108.33
● MP-381064-10-8A	1.500	0.250	10000	17M9312	113.04
● MP-381191-5-8A	1.500	0.750	5000	17M9313	162.50
● MP-508127-5-8A	2.000	0.500	5000	17M9314	143.66
● MP-508254-5-8A	2.000	1.000	5000	17M9315	266.12
● MP-508318-2.5-8A	2.000	1.250	2500	19M0204	143.27
● MP-699254-5-8A	2.750	1.000	5000	17M9316	310.86
● MP-762508-2.5-8A	3.000	2.000	2500	17M9317	321.07
● MP-101508-2.5-8A	4.000	2.000	2500	17M9307	460.01

(84672)

Talk to our team of engineers.

(84668)

Chat live online with our expert technical team or connect to them by phone. Go online or call us today.

CABLE MANAGEMENT

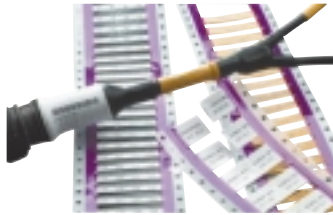
● Indicates RoHS Compliant

WIRE IDENTIFICATION & MARKING SYSTEMS

RPS SERIES COMMERCIAL-GRADE HEAT-SHRINKABLE WIRE IDENTIFICATION SLEEVES



- Permanent identification sleeves
- Computer-printable
- Excellent print performance
- Configured for ease of kitting
- Good chemical and solvent resistance
- 3:1 shrink ratio



RPS series commercial-grade heat-shrinkable marker sleeves are designed to meet commercial and industrial wire and cable identification needs. Made from durable, heat-shrinkable polyolefin. Meets the performance requirements of SAE-AMS-DTL-23053/5 classes 1 and 3 and SAE AS81531 4.6.2, MIL-STD-202F Method 215J specifications. A standard heat gun with reflector is used to shrink the sleeves onto the wire or cable. Operating temperature range: -30°C to +105°C. UL recognized (Standard 224, file E35586), CSA certified (file 31929).

Mfg. Part No.	AWG	Color	Expanded ID (in.)	Recovered ID (in.)	Qty. per Pkg.	Stock No.	Price per Roll
● RPS-22-18/2.0-4	22-18	Yellow	0.125	0.042	250	67K9483	146.67
● RPS-22-18/2.0-9	22-18	White	0.125	0.042	250	67K8987	142.24
● RPS-22-18/2.0-S1-4*	22-18	Yellow	0.125	0.042	250	67K9481	140.39
● RPS-22-18/2.0-S1-9*	22-18	White	0.125	0.042	250	67K9482	161.28
● RPS-22-18/2.0-S3-9+	22-18	White	0.125	0.042	250	80K8129	161.28
● RPS-1K-22-18/2.0-9	22-18	White	0.125	0.042	1000	41M0770	568.94
● RPS-18-12/2.0-4	18-12	Yellow	0.187	0.062	250	67K9479	153.77
● RPS-18-12/2.0-9	18-12	White	0.187	0.062	250	67K9480	153.77
● RPS-18-12/2.0-S1-4*	18-12	Yellow	0.187	0.062	250	67K9477	147.29
● RPS-18-12/2.0-S1-9*	18-12	White	0.187	0.062	250	67K9478	147.29
● RPS-16-10/2.0-4	16-10	Yellow	0.250	0.083	250	67K9475	163.12
● RPS-16-10/2.0-9	16-10	White	0.250	0.083	250	67K9476	163.12
● RPS-16-10/2.0-S1-4*	16-10	Yellow	0.250	0.083	250	67K9473	179.37
● RPS-16-10/2.0-S1-9*	16-10	White	0.250	0.083	250	67K9474	179.37
● RPS-1K-16-10/2.0-9	16-10	White	0.25	0.083	1000	41M0769	627.90
● RPS-10-2/2.0-4	10-2	Yellow	0.500	0.166	250	67K9471	374.36
● RPS-10-2/2.0-9	10-2	White	0.500	0.166	250	67K9472	374.36
● RPS-8-4/2.0-9	8-4	White	0.375	0.125	250	41M0771	276.83

*1 perforated score; + 3 perforated scores (84691)

DOT MATRIX AND LASER PRINTABLE SELF-LAMINATING LABELS



Dot Matrix Printable



Laser Printable

- White coated area for printing or writing on
- Clear vinyl wrap to wind around a wire or cable over the printed surface
- Seals out impurities that would cause the label to become illegible
- Protects printed information from chemicals and frequent handling
- Designed to withstand exposure to oil, solvents, and water
- Can also be flagged around a wire rather than wrapped

TW series dot matrix printable and **LSR series** laser printable, translucent vinyl film labels both feature permanent acrylic adhesive. Supplied with a white printable area, which is over-laminated upon application with the translucent portion of the label. This "self-laminating" feature protects the printed area from exposure to oil, solvents, water and abrasion. Offer excellent conformability to round, irregular or flexible surfaces, and are ideal for wire and cable identification, including flat ribbon cable that are subject to repeated bending. Operating temperature: -40°C to +80°C. Color: white. UL listed, CSA certified. **Sold in package quantities listed below except * price per label.**

TW SERIES DOT MATRIX PRINTABLE SELF-LAMINATING LABELS

Mfg. Part No.	Label Width (in.)	Label Height (in.)	Pkg. of	Stock No.	Price per Pkg.
● N-TW10	0.500	1.437	10000	29K8331	346.15
● O-TW10	1.000	1.437	10000	29K8332	779.59
● R-TW5	1.000	2.250	5000	29K8333	611.03
● T-TW2.5	1.000	3.750	2500	29K8334	562.87

LSR SERIES LASER PRINTABLE SELF-LAMINATING LABELS

● CR-107-LSR	1.000	1.330	2500*	65K8693	0.15
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(84691)

SB SERIES THERMAL TRANSFER PRINTABLE SELF-LAMINATING LABELS



- White coated area for printing or writing on
- Clear vinyl wrap to wind around a wire or cable over the printed surface
- Seals out impurities that would cause the label to become illegible
- Protects printed information from chemicals and frequent handling
- Designed to withstand exposure to oil, solvents, and water
- Can be flagged around a wire rather than wrapped



SB series thermal transfer printable, translucent vinyl film labels with a permanent acrylic adhesive. Supplied with a white printable area, which is over-laminated upon application with the translucent portion of the label. This "self-laminating" feature protects the printed area from exposure to oil, solvents, water and abrasion. Offer excellent conformability to round, irregular or flexible surfaces and are ideal for wire and cable identification, including flat ribbon cable that are subject to repeated bending. Operating temperature range: -54°C to +82°C. Color: white printable area. UL listed, CSA certified. **Sold in rolls.**

Mfg. Part No.	Label Width (in.)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● SB050100WE10	0.500	1.000	10000	29K8337	0.05
● SB050143WE10	0.500	1.437	10000	29K8338	0.06
● SB075094WE10	0.750	0.940	10000	29K8339	0.06
● SB080150WE10	0.800	1.500	10000	29K8340	0.10
● SB100143WE5	1.000	1.437	5000	29K8341	0.10
● SB100225WE5	1.000	2.250	5000	29K8342	1.48
● SB100375WE2.5	1.000	3.750	2500	29K8343	0.94
● SB100594WE1	1.000	5.940	1000	29K8344	0.51
● SB100743WE1	1.000	7.437	1000	29K8345	0.59
● SB190319WE2.5	1.900	3.190	2500	29K8346	0.28
● SB190594WE1	1.900	5.940	1000	29K8347	0.78
● SB200225WE2.5	2.000	2.250	2500	29K8348	0.33
● SB200375WE2.5	2.000	3.750	2500	29K8349	0.50
● SB200743WE1	2.000	7.437	1000	29K8350	1.11

(84682)

WP SERIES WHITE POLYESTER THERMAL TRANSFER PRINTABLE LABELS



- Ideal for use in PCB component labeling and bar code applications
- Ink receptive topcoat



WP series white, polyester film thermal transfer printable labels with a permanent acrylic adhesive. Ideal for bar coding, PCB and component labeling, as well as, general-purpose labeling applications that require a high durability white label. Resistant to a variety of solvents while maintaining print quality. Service temperature: -40°C to +150°C. Color: white. UL listed, CSA certified. **Sold in rolls.**

Mfg. Part No.	Label Width (in.)	Label Height (in.)	Labels per Roll	Stock No.	Price per Label
● WP-080080-10-9	0.315	0.315	10000	29K8480	0.01
● WP-095095-10-9	0.375	0.375	10000	29K8481	0.01
● WP-101508-2.5-9	4.000	2.000	2500	29K8482	0.26
● WP-127111-10-9	0.500	0.437	10000	29K8483	0.02
● WP-165051-25-9	0.650	0.200	25000	29K8484	0.01
● WP-191064-10-9	0.750	0.250	10000	29K8485	0.01
● WP-229064-10-9	0.900	0.250	10000	29K8486	0.02
● WP-254097-10-9	1.000	0.380	10000	29K8487	0.02
● WP-254127-10-9	1.000	0.500	10000	29K8488	0.03
● WP-318064-10-9	1.250	0.250	10000	29K8489	0.02
● WP-381064-10-9	1.500	0.250	10000	29K8490	0.02
● WP-381191-5-9	1.500	0.750	5000	29K8491	0.04
● WP-508064-10-9	2.000	0.250	10000	29K8492	0.03
● WP-508127-5-9	2.000	0.500	5000	29K8493	0.04
● WP-508254-5-9	2.000	1.000	5000	29K8494	0.07
● WP-699254-5-9	2.750	1.000	5000	29K8495	0.08
● WP-762254-5-9	3.000	1.000	5000	29K8496	0.09
● WP-762508-2.5-9	3.000	2.000	5000	29K8497	0.16

(84679)

WIRE IDENTIFICATION & MARKING SYSTEMS

CM-SCE SERIES POLOLEFIN
TIE-ON CABLE MARKER TAGS

- Side-entry provides access to big size wire bundles as well as retrofit and repair capability
- Highly flame-retardant
- Highly resistant to abrasion, mechanical abuses, fluids, lubricants and solvents
- Standard cable tie-wraps install markers
- Excellent print permanence when printing on the rough side of marker



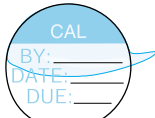
CM-SCE series polyolefin tie-on cable marker tags are flat, rigid, non-adhesive labels that can be used to identify large cable and wire bundles in environments such as military and aerospace. Marker tags feature 4 tie-wrap holes and are easily applied to cable or wire bundles with standard cable ties. Print performance meets or exceeds the requirements of SAE AS81531 4.6.2 and MIL-STD-202F, Method 215J. Operating temperature range: -55°C to +135°C. Sold in rolls of 250 tags.

Mfg. Part No.	Color	Label Size (in.)	Markable Height (in.)	Markable Length (in.)	Stock No.	Price per Roll
● CM-SCE-TP-1/4-4H-4	Yellow	0.250	0.25	2	17M9294	109.79
● CM-SCE-TP-1/4-4H-9	White	0.250	0.25	2	17M9922	109.79
● CM-SCE-1/4-4H-9	White	0.250	0.25	2	41M0766	97.42
● CM-SCE-TP-1/2-4H-4	Yellow	0.500	0.50	2	17M9293	157.00
● CM-SCE-TP-1/2-4H-9	White	0.500	0.50	2	17M9921	158.93
● CM-SCE-1/2-4H-9	White	0.500	0.50	2	41M0765	140.95

(84713)

QCC SERIES SMALL CIRCULAR COVERALL
VINYL CALIBRATION LABELS

QCC351 — Black



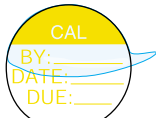
QCC351 — Light Blue



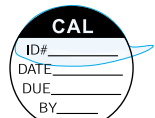
QCC351 — Light Green



QCC351 — Orange



QCC351 — Yellow



QCC359 — Black Only

- Small circular size
- 5 colors for color control of calibration interval
- Self-laminating clear cover
- Easy to write on

Ideal for use when space is limited on instruments. All labels have preprinted text and provide blanks to record standard information. Features a clear, self-laminating cover that protects data from tampering, weathering, smearing, chemicals and abrasion. Cover is hinged at top so label is easier to write on. Sold in books of 200 labels, one color per book.

Mfg. Part No.	Label Legend	Color	Dia. (in.)	Stock No.	Price per Book
QCC351BK	CAL/BY/DATE/DUE	Black on White	0.50	29K8394	17.94
QCC351LB	CAL/BY/DATE/DUE	Light Blue on White	0.50	29K8395	17.94
QCC351LG	CAL/BY/DATE/DUE	Light Green on White	0.50	29K8396	17.94
QCC351OR	CAL/BY/DATE/DUE	Orange on White	0.50	29K8397	17.94
QCC351YW	CAL/BY/DATE/DUE	Yellow on White	0.50	29K8398	17.94
QCC359*	CAL/ID#/DATE/DUE/BY	Black on White*	0.625	29K8399	39.43

*Available only in black on white
(84840)

MQC205 AND MQC555 SERIES VINYL
STANDARD CALIBRATION LABELS

AVAILABLE COLORS
BK, BR, BU, GR, GY, LB, LG, MG,
OR, PK, RD, VT, YL

- 2 sizes
- 13 colors for color control of calibration interval
- Easy to write or stamp on

CALIBRATION
BY _____ DATE _____
DUE _____ ID _____

MQC555 Series Small-Size —
Magenta (MG)

CALIBRATION
I.D. No. _____
By _____ Date _____
Due _____

MQC205 Series Large-Size —
Magenta (MG)

- Pressure-sensitive, adhesive backing
- Easy removal from backing
- Easy to pick up and reposition

Both label sizes feature preprinted text and provide blanks to record standard information.

LARGE-SIZE 2.00"W x 0.625"H LABELS

MQC205 series large-size standard calibration labels with legend: CALIBRATION/I.D. No./By/Date/Due. Sold in books of 130, 1 color per book. Also available mfg. part no. MQC205ZC multicolor pack consisting of 156 labels per pack, supplied 1 sheet of each color, 13 colors per pack.

Mfg. Part No.	Color	Labels per Book	Stock No.	Price per Book
				1-14
MQC205BR	Brown	130	29K8367	14.66
MQC205BU	Blue	130	29K8368	14.66
MQC205GR	Green	130	29K8369	14.66
MQC205GY	Gray	130	29K8370	14.66
MQC205LB	Light Blue	130	29K8371	14.66
MQC205LG	Light Green	130	29K8372	14.66
MQC205MG	Magenta	130	29K8373	14.23
MQC205OR	Orange	130	29K8374	14.66
MQC205PK	Pink	130	29K8375	14.66
MQC205RD	Red	130	29K8376	14.66
MQC205VT	Violet	130	29K8377	14.66
MQC205YW	Yellow	130	29K8378	14.66
MQC205ZC	Multi	156	29K8379	14.23

SMALL-SIZE 1.00"W x 0.50"H LABELS

MQC555 series small-size standard calibration labels with legend: CALIBRATION/BY/DATE/DUE/ID. Sold in book of 160, 1 color per book. Also available mfg. part no. MQC555ZC multicolor pack consisting of 390 labels per pack, supplied 1 sheet of each color, 13 colors per pack.

Mfg. Part No.	Color	Labels per Book	Stock No.	Price per Book
				1-9
MQC555BK	Black	160	29K8380	14.66
MQC555BR	Brown	160	29K8381	14.66
MQC555BU	Blue	160	29K8382	14.66
MQC555GR	Green	160	29K8383	14.66
MQC555GY	Gray	160	29K8384	14.66
MQC555LB	Light Blue	160	29K8385	14.66
MQC555LG	Light Green	160	29K8386	14.66
MQC555MG	Magenta	160	29K8387	14.66
MQC555OR	Orange	160	29K8388	14.66
MQC555PK	Pink	160	29K8389	14.66
MQC555RD	Red	160	29K8390	14.66
MQC555VT	Violet	160	29K8391	14.66
MQC555YW	Yellow	160	29K8392	14.66
MQC555ZC	Multi	390	29K8393	20.74

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WIRE IDENTIFICATION & MARKING SYSTEMS

VINYL INSPECTION AND CALIBRATION-RELATED LABELS



ACCEPTED

BY _____ DATE _____

QC101 — Green

ACCEPTED / ACEPTADO

BY/POR _____ DATE/FECHA _____

QC101S — English/Spanish, Green

CALIBRATION

BY _____ DATE _____

DUE _____ I.D.# _____

QC105 — Green

REJECTED

BY _____ DATE _____

QC130 — Red

CALIBRATED

BY _____ DATE _____

DUE _____

QC155 — Black

CALIBRATION/CALIBRACION

BY/POR _____ DATE/FECHA _____

DUE/VENCE _____ ID#/NO. ID _____

QC105S — English/Spanish, Green

- Easy to write or stamp on
- Pressure sensitive adhesive backing
- Easy removal from backing
- Easy to pick up and reposition with minimal adhesive residue
- Fade-resistant to UV light
- Combination English/Spanish text versions

All label styles feature preprinted text and provides blanks to record standard information. **Sold in books of 160 labels, one color per book. Order mfg. part no. Q200AC clear general-purpose polyethylene protective label covers or mfg. part no. QC210AC clear vinyl protective label covers separately below.** These adhesive-backed covers apply easily over labels to protect data from tampering, weathering, smearing, chemicals and abrasion. **Mfg. part no. QC210AC** vinyl covers offer best protection against cutting oils and coolants. **Sold in boxes of 200 covers.**

INSPECTION LABELS

Mfg. Part No.	Label Legend	Color	W x H (in.)	Stock No.	Price per Book
QC101	ACCEPTED/BY/DATE	Green	2.00 x 0.50	29K8356	8.47
QC101S	ACCEPTED/ACEPTADO/BY/POR/DATE/FECHA	Green	2.00 x 0.50	29K8357	8.47
QC115	PASSED INSPECTION/BY/DATE	Green	2.00 x 0.50	29K8360	8.47
QC115S	PASSED INSPECTION/INSPECCION PASADA/BY/POR/DATE/FECHA	Green	2.00 x 0.50	29K8361	8.47
QC130	REJECTED/BY/DATE	Red	2.00 x 0.50	29K8362	8.47

CALIBRATION-RELATED LABELS

Mfg. Part No.	Label Legend	Color	W x H (in.)	Stock No.	Price per Book
QC105	CALIBRATION/BY/DATE/DUE/I.D.#	Green	2.00 x 0.50	29K8358	8.47
QC105S	CALIBRATION/CALIBRACION/BY/POR/DATE/FECHA/DUE/VENCE/I.D.#/NO. ID	Green	2.00 x 0.50	29K8359	8.47
QC155	CALIBRATED/BY/Date/Due	Black	2.00 x 0.50	29K8363	14.87

CLEAR PROTECTIVE LABEL COVERS

Mfg. Part No.	Description	W x H (in.)	Stock No.	Price per Book
QC200AC	General-Purpose Clear Protective Label Covers	2.00 x 0.625	29K8364	11.01
QC210AC	Clear Vinyl Protective Label Covers	2.25 x 0.875	29K8365	20.51

(84832)

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Info

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DURABLE ALUMINUM AND PLASTIC CLOTH CALIBRATION LABELS



CALIBRATION

I.D. No. _____

By _____ Date _____

Due _____

Aluminum — QC450AM Blue

CALIBRATION

I.D. No. _____

By _____ Date _____

Due _____

Aluminum — QC450AM Green

CALIBRATION

I.D. No. _____

By _____ Date _____

Due _____

Aluminum — QC450AM Orange

CALIBRATION

I.D. No. _____

By _____ Date _____

Due _____

Aluminum — QC450AM Red

CALIBRATION

By _____ Date _____

Due _____ ID _____

Plastic Cloth — QPC01 Green

CALIBRATED

By _____ Date _____

Due _____

Plastic Cloth — QPC02 Black

Durable 0.04mm Aluminum Labels

- Withstand heavy use and exposure to the elements
- Pens, pencils and typewriters leave permanent impression
- Resistant to high temperature, water, grease, oil, solvents and moisture
- Size: 2.00"W x 0.625"H

Durable Plastic Cloth Labels

- Resistant to tearing, high temperature, water, humidity and chemicals
- Fade-resistant to UV light
- Size: 1.00"W x 0.625"H

Both label styles feature preprinted text and provides blanks to record standard information. Labels have tough, permanent adhesive backing to grip surfaces more aggressively. **Sold in books of 130 labels, one color per book. Order mfg. part no. Q200AC clear polyethylene protective label covers separately below.** These adhesive-backed covers apply easily over labels to protect data from tampering, weathering, smearing, chemicals and abrasion. **Sold in boxes of 200 covers.**

DURABLE ALUMINUM LABELS

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Pkg.
QC450AMBU	CALIBRATION/I.D. No./By/Date/Due	Blue on White	29K8241	19.22
QC450AMGR	CALIBRATION/I.D. No./By/Date/Due	Green on White	29K8242	19.22
QC450AMOR	CALIBRATION/I.D. No./By/Date/Due	Orange on White	29K8243	19.22
QC450AMRD	CALIBRATION/I.D. No./By/Date/Due	Red on White	29K8244	19.22

DURABLE PLASTIC CLOTH LABELS

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Pkg.
QPC01	CALIBRATION/By/Date/Due/ID	Green on White	29K8245	19.22
QPC02	CALIBRATED/By/Date/Due	Black on White	29K8246	19.22
QC200AC	Protective Label Covers		29K8240	11.39

(84824)

QLL SERIES PAPER INSPECTION AND CONTROL LABELS



ACCEPTED

BY _____ DATE _____

QLL401 — Green on White

REJECT

BY _____ DATE _____

QLL412 — Red on White

HOLD FOR INSPECTION

BY _____ DATE _____

QLL407 — Black on Rust

QUALITY RECORD

DO NOT DESTROY

DATE _____

QLL421 — Red on Rust

- Easy to write or stamp on
- Pressure sensitive, permanent adhesive backing
- For indoor use only

QLL series matte litho paper labels feature preprinted text, each style helps solve a different set of problems and provides blanks to record standard information. Packaged in handy dispenser box. Label size: 2.00"W x 0.75"H. **Order mfg. part no. QLLCOVER clear acetate protective covers separately below.** These adhesive-backed covers apply easily over paper labels to protect written information. **Sold in rolls of 1000.**

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Roll
QLL401	ACCEPTED/BY/DATE	Green on White	29K8307	27.93
QLL402	INSPECTED OK/BY/DATE	Green on White	29K8308	27.93
QLL403	MATERIAL APPROVED/BY/DATE	Green on White	29K8309	27.93
QLL405	TESTED/BY/DATE	Green on White	29K8310	24.34

➤ CONTINUED ➤

WIRE IDENTIFICATION & MARKING SYSTEMS

QLL SERIES PAPER INSPECTION AND CONTROL LABELS (CONT.)

Mfg. Part No.	Label Legend	Color	Stock No.	Price per Roll
QLL406	CALIBRATION/BY/DATE/DUE/#	Green on White	29K8311	24.34
QLL417	CERTIFIED/BY/DATE	Green on White	29K8317	24.34
QLL420	FIRST PIECE CHECKED/BY/DATE	Green on White	29K8319	24.34
QLL407	HOLD FOR INSPECTION/BY/DATE	Black on Rust	29K8312	24.34
QLL408	HOLD/BY/DATE	Black on Rust	29K8313	24.34
QLL409	REPAIR/REWORK REQUIRED/BY/DATE	Black on Rust	29K8314	24.34
QLL418	LIMITED CALIBRATION/BY/DATE	Black on Rust	29K8318	24.34
QLL412	REJECT/BY/DATE	Red on White	29K8315	24.34
QLL413	SCRAP/BY/DATE	Red on White	29K8316	24.34
QLL421	QUALITY RECORD/DO NOT DESTROY/DATE	Red on Rust	29K8320	24.34
QLLCOVER	Clear Protective Covers for Paper Labels		29K8306	32.01

(84822)

CHEMICAL RESISTANCE CHART

Chemical	PVC-105 PVC-125	Flexible Polyolefin	Semi-Rigid Polyolefin	KYNAR*	Neoprene	Teflon**
Acetates (Esters)	T	T	T	T	T	R
Acetates (Water Sol. Salts)	T	T	T	T	T	R
Acetone	T	T	T	N	T	R
Acids-Inorganic (Dil.)	T	R	R	R	R	R
Acids-Inorganic (Conc.)	T	T	T	R	R	R
Acids-Organic	T	T	T	T	T	R
Alcohols	T	R	R	R	T	R
Aldehydes	T	T	T	R	T	R
Aliphatic Hydrocarbons	T	T	T	R	T	R
Alkali Solutions (Dil.)	T	R	R	R	R	R
Alkali Solutions (Conc.)	T	T	T	R	R	R
Aromatic Hydrocarbons	T	T	T	T	N	R
Bromine	T	T	T	R	T	R
Carbon Tetrachloride	T	T	T	R	N	R
Chlorine-Wet	T	T	T	R	T	R
Chlorine-Dry	T	T	T	R	T	R
Esters	T	T	T	T	T	R
Ethylene Dichloride	T	T	T	T	T	R
Ethylene Glycol	T	T	T	T	R	R
Freon	T	T	T	R	T	R
Gasoline	T	R	R	R	R	R
Glucose	T	R	R	R	T	R
Glycerine	T	T	T	T	T	R
Hydrogen Peroxide-Dil.	T	T	T	R	T	R
Hydrogen Peroxide-Conc.	T	T	T	T	T	R
Hydrogen Sulfide	T	T	T	T	T	R
Kerosene	T	R	R	R	R	R
Lacquer Thinners	T	T	T	R	T	R
Linseed Oil	T	T	T	T	T	R
Mineral Spirits	T	R	R	T	T	R
Nitrogen	T	T	T	T	T	R
Oils	T	T	T	T	T	R
Soap Solutions	T	T	T	T	T	R
Sulfur Dioxide	T	T	T	T	T	R
Turpentine	T	T	T	T	R	R
Urea	T	T	T	T	T	R
Ketones	T	T	T	N	T	R
JP-4	T	R	R	R	T	R

R = Recommended; T = Should be Tested Before Use; N = Not Recommended
(68761)

E-Z-CODE™ WIRE & CABLE MARKER SHEETS



Thomas & Betts

Customize and personalize markers using information stored in word processors, automatic typewriters, or computer printers. Using pin-fed holes and fan-folded sheets that fit standard printers or laser printable sheets, these markers can provide entire schematic wiring data, serial numbers, sequencing data, data coding, date coding, routing and connecting information. Self-laminating vinyl provides maximum protection against most common elements. **Sold in packages of 25 sheets.**



MARKER SHEETS FOR STANDARD PRINTERS

Mfg. Part No.	Marker Size	Wire Diameter	Markers per Sheet	Total Markers per Package	Stock No.	Price per Pkg.
WES-12112	1/2 x 1 1/2"	0.313"	64	1600	87F991	127.76
WES-1112	1 x 1 1/2"	0.313"	32	800	87F3482	124.13

MARKER SHEETS FOR LASER PRINTERS

● WLP-1112	1 x 1 1/2"	0.313"	48	1200	16F1175	148.22
● WLP-1214	1 x 2 1/4"	0.469"	32	800	16F1176	147.37
● WLP-12112	1/2 x 1 1/2"	0.313"	96	2400	16F1178	157.74

(6450)

TAPE ROLLS FOR MFG. PART NO. WD-26P WIRE MARKER PRINTER



Thomas & Betts

Mfg. Part No.	Label Size	Write-On Area	Markers/Characters	Stock No.	Price per Pkg.
● WPR-125A	1 1/16 x 1 3/8"	1 1/16 x 5/8"	500/7	46F5963	81.10
● WPR-125B	1 3/8 x 1 3/8"	1 3/8 x 5/8"	250/16	46F5964	120.92
● WPR-125C	1 5/16 x 1 3/8"	1 5/16 x 5/8"	750/4	94F3064	123.78

(6451)

EZL THERMAL TRANSFER PRINTER



Thomas & Betts



EZL-100



EZL-100 Application

- One-touch Hotkeys
- Symbols for common electrical and datacom applications
- Five print sizes
- Horizontal and Vertical print orientation
- Stores up to eight custom labels and automatically recalls last label
- Battery life indicator
- Auto-shutoff after five minutes, if idle
- Backlit display for use in low lighting conditions
- Multiple line printing up to four lines per label
- Barcode printing
- Durable, non-smearing thermal transfer technology
- Multiple power sources, 6-AA batteries or AC adapter (not included)
- Large display, 2-line x 15 character views (30 characters total)

Mfg. Part No.	Description	Stock No.	Price Each
EZL-100	Hand-held Thermal Transfer Printer	98H8053	176.39

Permanent-adhesive labels resist smearing, moisture and heat. Easy-to-peel, split-back design.

Mfg. Part No.	Color	Dimensions	Stock No.	Price Each
● EZ-MP12*	Metallic	18.0' x 1/2"	98H8033	21.59
● EZ-MP34*	Metallic	18' x 3/4"	98H8034	24.15
● EZ-MP38*	Metallic	18' x 3/8"	98H8035	21.59
● EZ-WN12†	White	11.5' x 1/2"	98H8036	22.89
● EZ-WN34†	White	11.5' x 3/4"	98H8037	25.42
● EZ-WP12*	White	18' x 1/2"	98H8038	21.59
● EZ-WP34*	White	18' x 3/4"	98H8039	24.15
● EZ-WP38*	White	18' x 3/8"	98H8040	21.59
● EZ-YN12‡	Yellow	11.5' x 1/2"	98H8041	22.89
● EZ-YN34‡	Yellow	11.5' x 3/4"	98H8042	25.42
EZL-21-V1‡	Transparent	1" x 1"	98H8054	28.80

Label Material: *Polyester, †Nylon, ‡Vinyl
(80369)

E-Z-CODE™ WIRE MARKER BOOKS



Thomas & Betts



WBC VINYL CLOTH STANDARD BOOKS

Mfg. Part No.	Number of Markers and Legends	Stock No.	Price Each
● WM-0-9M	46 Each Page	46F5979	34.82
● WM-A-33	10 Each: 1-33, A, B, C, +, -, T, T ₂ , T ₃ , L ₁ , L ₂ , L ₃	46F5984	34.82
● WM-0-45	10 Each: 0 Thru 45	46F6503	34.03
● WM-A-90	6 Each: 0-15, 4 Each: 16-90, 2 Each: A-Z	46F5985	34.82
● WM-46-90	10 Each	46F5980	35.00
● WM-A-Z	10 Each: A Thru Z, +, -, and 0 Thru 15	46F5981	34.03

WSL VINYL SELF-LAMINATING STANDARD BOOKS

WMSL-0-45	10 Each: 0 Thru 45	46F5967	36.96
WMSL-A-Z	10 Each: A-Z; +, -, and 0-15	46F5969	39.54

WSL VINYL SELF-LAMINATING STANDARD BLANK WRITE-ON BOOKS

WM-BW3	30 1"x4-7/8" Marking Area: 1"x1"	46F5971	37.23
WM-BW5	50 1"x2-3/4" Marking Area: 1"x 3/4"	46F5972	37.63
WM-BW12	200 1/2"x1-1/4" Marking Area: 1/2"x5/8"	46F5973	38.89
WM-BW14	400 1/4"x1-1/4" Marking Area: 1/4"x5/8"	46F5974	40.96
WM-BW34	140 3/4"x1-1/4" Marking Area: 3/4"x5/8"	46F5975	40.00

(6449)