


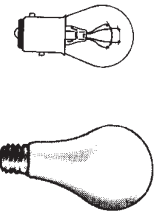



Fuses				
			We also carry AGA, AGC, AGW & SFE style fuses.	
MINI FUSES	ATO FUSES	MAXI FUSES	AMPERAGE	COLORS
ITEM #	ITEM #	ITEM #		
FUSMIN3	FUSATO3		3	Violet
FUSMIN4	FUSATO4		4	Pink
FUSMIN5	FUSATO5		5	Tan
FUSMIN750	FUSATO750		7.5	Brown
FUSMIN10	FUSATO10		10	Red
FUSMIN15	FUSATO15		15	Blue
FUSMIN20	FUS ATO20	FUSMAX20	20	Yellow
FUSMIN25	FUSATO25		25	Clear
FUSMIN30	FUSATO30	FUSMAX30	30	Green
		FUSMAX40	40	Orange
		FUSMAX50	50	Red
		FUSMAX60	60	Purple

* Also available in assortments. Refer to Page 133.

Phillips Westinghouse & Sylvania Bulbs – Made in U.S.A.					
DESCRIPTION	ITEM #	BOX QTY.	DESCRIPTION	ITEM #	BOX QTY.
1141 miniature bulbs	BB1141	10	199 miniature bulbs	BB199	10
1156 miniature bulbs	BB1156	10	53 miniature bulbs	BB53	10
1157 miniature bulbs	BB1157	10	57 miniature bulbs	BB57	10
1893 miniature bulbs	BB1893	10	67 min. bulbs	BB67	10
1895 miniature bulbs	BB1895	10	1157 Amber min. bulbs	BBNA1157	10
2057 miniature bulbs	BB2057	10	194 Amber min. bulbs	BBNA194	10
2357 miniature bulbs	BB2357	10	100 Watt rough-service bulbs	BBW100	6
194 miniature bulbs	BB194	10	75 Watt rough-service bulbs	BBW75	6
198 miniature bulbs	BB198	10	75 Watt tuff-skin bulbs	BBTW751	2



ATO® In-Line Fuseholder	Qty. - 1
ITEM No. FHA 2 (Fuse not included) For use with ATO® 3,5,7 1/2, 10,15, and 20 amp fuses. Supplied with two 4" leads of 16 gauge black wire.	

Trouble Lite, Extension Cords			
DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
50 ft. Trouble light (16-3)	MIBTL50	50 ft. Extension (16-3)	MIBEC50
50 ft. Extension (16-3)	MIBEC25	50 ft. Ext. Heavy Duty (12-3)	MIBECHD50



To Order Call: 708-447-4500 or Outside Illinois 800-837-8707

Heat Shrink Tubing

HEAVY WALL

- 3:1 shrink ratio lined with a thick layer of a unique, dual-purpose sealant/adhesive, providing excellent environmental sealing and adhesion to cable jackets
- Abrasion resistant. Excellent chemical-resistant properties
- Rated for continuous use up to 600 volts at 194° F (90° C)
- Meets UL 486D, CSA C22.2 #198.2, ANSI C1191.1 and Western Underground - Guide #s 2.4 & 2.5

ITEM #	NOMINAL I.D. SIZE	COLOR	WIRE SIZE	EXPANDED I.D. (MIN)	RECOVERED I.D. (MAX)	RECOVERED WALL
FTFHS81SRH	3/4"	Red	6-2 ga.	0.750	0.240	0.090
FTFHS81SBH	3/4"	Black	6-2 ga.	0.750	0.240	0.090
FTFHS240RH	1"	Red	1 ga.-3/0	1.100	0.350	0.120
FTFHS240BH	1"	Black	1 ga.-3/0	1.100	0.350	0.120



DUAL WALL

- 3:1 or 4:1 shrink ratio lined with an inner adhesive, providing excellent environmental sealing and adhesion to wire or cable jackets
- Flame retardant, cross-lined polyolefin outer wall. Excellent chemical-resistant properties
- Outer-wall operating temperature of -67°F to 230°F (-55°C to 110°C)
- Over all, continuous operating temperature of -67°F to 230°F (-55°C to 110°C)
- Meets MIL 1 23053/4 (Class 2) requirements - (Class 3 dimensionally)

ITEM #	NOMINAL I.D. SIZE	WIRE SIZE	EXPANDED I.D. (MIN)	RECOVERED I.D. (MAX)	RECOVERED WALL
FTZAMP316	3/16"	20 - 12 ga.	0.189"	0.063"	0.039"
FTZAMP14	1/4"	16 - 10 ga.	0.252"	0.079"	0.039"
FTFHS1416S	3/8"	12 - 8 ga.	0.374"	0.118"	0.055"
FTZAMP12	1/2"	8 - 4 ga.	0.500"	0.157"	0.069"
FTFHS81SR	3/4" Red	4 - 2/0 ga.	0.752"	0.236"	0.079"
FTFHS81SB	3/4" Black	4 - 2/0 ga.	0.752"	0.236"	0.079"
FTFHS240SR	1" Red	1 - 4/0 ga.	1.000	0.315"	0.098"
FTFHS240SB	1" Black	1 - 4/0 ga.	1.000	0.315"	0.098"



* Also available in assortments. Refer to Page 137.

Heat Gun

- This low-cost, convenient heat gun is perfect for use in shrinking single-wall or dual-wall tubing
- 120 Volts AC. Two temperature settings (750°F and 1100°F)
- No cool down time required. Fold-down stand for hands free operation

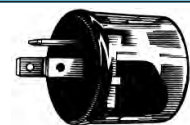


ITEM

FT2000

Flashers

DESCRIPTION	QTY.	ITEM #	DESCRIPTION	QTY.	ITEM #
550- 3-Prong	1	BBF550	850X- 3-Prong Electronic	1	BBF850X
552- 2-Prong	1	BBF552	852X- 2-Prong Electronic	1	BBF852X



To Order Call: 708-447-4500 or Outside Illinois 800-837-8707



Battery Cable		Qty. - 25' roll
DESCRIPTION	OUTSIDE DIAMETER	ITEM #
6 gauge black	.305	WB6B
6 gauge red	.305	WB6R
4 gauge black	.346	WB4B
4 gauge red	.346	WB4R
2 gauge black	.445	WB2B
2 gauge red	.445	WB2R
1 gauge black	.482	WB1B
1 gauge red	.482	WB1R
1/0 black	.514	WB10B
1/0 red	.514	WB10R
2/0 black	.582	WB20B
2/0 red	.582	WB20R
3/0 black	.662	WB30B
3/0 red	.662	WB30R
4/0 black	.740	WB40B
4/0 red	.740	WB40R

Magna-Lug Magna-Splice Lugs				
DESCRIPTION	CABLE	STUD	BOX QUANTITY	ITEM #
LUG	1/0	3/8	10	FTML10038
LUG	1/0	1/2	10	FTML10012
LUG	2/0	3/8	10	FTML20038
LUG	2/0	1/2	10	FTML20012
LUG	3/0	3/8	10	FTML30038
LUG	3/0	1/2	10	FTML30012
LUG	4/0	3/8	10	FTML40038
LUG	4/0	1/2	10	FTML40012
SPLICE	1/0		10	FTMS100
SPLICE	2/0		10	FTMS200
SPLICE	3/0		10	FTMS300
SPLICE	4/0		10	FTMS400

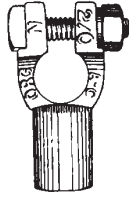
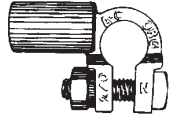
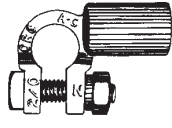
* Also available in assortments. Refer to Page 131.

ILLUSTRATIONS ARE ACTUAL SIZE








To Order Call: 708-447-4500 or Outside Illinois 800-837-8707

Battery Lugs

POST TYPE Qty - 6	90° RIGHT ANGLE TYPE Qty - 6	
FTFBTGU	FTFBA10P-1/0P Positive	 POST TYPE
FTFBT6U	FTFBA10N-1/0N Negative	
FTFBT4U	FTFBA20P-2/0P Positive	
FTFBT12P	FTFBA20N-2/0N Negative	
FTFBT12N	FTFBA30P-3/0P Positive	
FTFBT10P-1/0P	FTFBA30N-3/0N Negative	
FTFBT10N-1/0N	FTFBA40P-4/0P Positive	
FTFBT20P-2/0P	FTFBA40N-4/0N Negative	
FTFBT20N-2/0N		
FTFBT30P-3/0P		
FTFBTS0N-3/0N		
FTFBT40P-4/0P		
FTFBT40N-4/0N		
RIGHT ELBOWS Qty - 10	LEFT ELBOWS Qty - 6	
FTFRE10P-1/0P Positive-Right Hand	FTFLE10P-1/0P Positive-Left Hand	 RIGHT ELBOWS
FTFRE10N-1/0N Negative-Right Hand	FTFLE10N-1/0N Negative-Left Hand	
FTFRE20P-2/0P Positive-Right Hand	FTFLE20P-2/0P Positive-Left Hand	
FTFRE20N-2/0N Negative-Right Hand	FTFLE20N-2/0N Negative-Left Hand	
FTFRE30P-3/0P Positive-Right Hand	FTFLE30P-3/0P Positive-Left Hand	
FTFRE30N-3/0N Negative-Right Hand	FTFLE30N-3/0N Negative-Left Hand	
FTFRE40P-4/0P Positive-Right Hand.	FTFLE40P-4/0P Positive-Left Hand	
FTFRE40N-4/0N Negative-Right Hand	FTFLE40N-4/0N Negative-Left Hand	
		 LEFT ELBOWS
Parallel Qty - 6		
FTBTL8	#8	LEAD
FTBTB8	#8	COPPER
FTBTB9	#9	COPPER

Also available in assortments, refer to page 134.

Stud Nuts	Tools		
TERMINAL CONVERTERS			
	 • Wire Stripper TR35	 • Compact cable cutter 9" long • Cuts copper or aluminum cable up to 2/0 FT4275	 • Hex Crimp lever style crimping tool .26" long, crimps terminals 8 ga. - 6/0 ga. FT4255
Stainless Steel Universal Polarity Item # FT3750			
	Universal Style Item # FTFBCU		

To Order Call: 708-447-4500 or Outside Illinois 800-837-8707






Battery Terminals



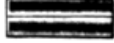









Retro-fit Terminals are sold in quantities of 6

Retro-fit (Top Mount and Side Mount)

Retrofit for nonstacking top mount and side mount batteries and **stackable** for stacking top mount battery applications. All terminals are made with the highest quality copper ingot and machine finished to exact specifications and, of course, 100% tin-plated for corrosion protection.

DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
		SINGLE BARREL	FTRF-4	SINGLE BARREL	FTRF-10	SINGLE BARREL	FTRF-40
		SINGLE BARREL	FTRF-1	SINGLE BARREL	FTRF-20	SINGLE BARREL	FTRF-30
		DOUBLE BARREL	FTST-1	DOUBLE BARREL	FTST-30		
		DOUBLE BARREL	FTST-10	DOUBLE BARREL	FTST-40		
		DOUBLE BARREL	FTST-20			USED ON SIDE MOUNT APPLICATION	FTRF-5

Solderless Terminals Non-Insulated - Butt & Ring Connectors

DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
					
22-16 Wire Range Pkg-100	J3042	16-24 Wire Range Pkg-100	J3044	12-10 Wire Range Pkg-10	J3046
					
#8 Wire 12-1/4" Stud - Pkg-25	J3261	#8 Wire 5/16-3/8" Stud - Pkg-25	J3262	#8 Wire 7/16-1 1/2" Stud - Pkg-25	J3263
					
#6 Wire 12-1/4" stud - Pkg-25	J3264	#6 Wire 7/16"- 1/2" Stud - Pkg-25	J3266	#1/0 Wire 5/16-3/8" Bolt size - Pkg-10	J4429
					
1/0 Wire Gauge 3/8-1/2" Bolt size - Pkg-10	4430	2/0 Wire Gauge 5/16-3/8" Bolt size - Pkg-10	4431	3/0 Wire Gauge 3/8-1/2" Bolt size - Pkg-5	4434



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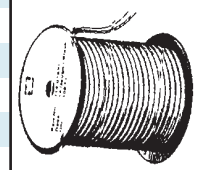
Solderless Terminals Non-Insulated		Qty. - 10
COPPER BATTERY CABLE LUGS		
(Can be crimped or soldered)		
ITEM #	AWG WIRE SIZE	STUD SIZE
J4851	# 6 (.232 I.D.)	5/16"
J3363	# 4 (.286 I.D.)	3/8"
J3364	# 2 (.336 I.D.)	3/8"
J4852	# 1 (.360 I.D.)	3/8"
J4853	# 0 (.407 I.D.)	3/8"
J3365	# 00 (.500 I.D.)	3/8"
J3366	# 00 (.500 I.D.)	1/2"
J4854	# 000 (.511 I.D.)	3/8"
J4855	# 000 (.511 I.D.)	1/2"
J4856	# 0000 (.559 I.D.)	3/8"
J4857	# 0000 (.559 I.D.)	1/2"



Loom		100' foot roll	
Split-Loom is made of a low temperature resistant heavy duty oil and gas resistant polyethelene. Wiring covering can be accomplished much faster as the wire can be installed through the slit without need of fishing wires. Rated to 200° F.			
ITEM #	INSIDE DIAMETER	ITEM #	INSIDE DIAMETER
WPL4	1/4	WPL12	3/4
WPL6	3/8	WPL16	1
WPL8	1/2	WPL125	1 1/4
WPL10	5/8	WPL200	2



Plastic - Primary Electrical Wire			100' foot roll		
ITEM #	GAUGE	COLOR	ITEM #	GAUGE	COLOR
W10BK	10 gauge	black	W14RD	14 gauge	red
W10BL	10 gauge	blue	W14WH	14 gauge	white
W10BR	10 gauge	brown	W14YE	14 gauge	yellow
W10GR	10 gauge	green	W16BK	16 gauge	black
W10RD	10 gauge	red	W16BL	16 gauge	blue
W10WH	10 gauge	white	W16BR	16 gauge	brown
W12YE	12 gauge	yellow	W16GR	16 gauge	green
W12BK	12 gauge	black	W16RD	16 gauge	red
W12BL	12 gauge	blue	W16WH	16 gauge	white
W12BR	12 gauge	brown	W16YE	16 gauge	yellow
W12GR	12 gauge	green	W18BK	18 gauge	black
W12RD	12 gauge	red	W18BL	18 gauge	blue
W12WH	12 gauge	white	W18BR	18 gauge	brown
W12YE	12 gauge	yellow	W18GR	18 gauge	green
W14BK	14 gauge	black	W18RD	18 gauge	red
W14BL	14 gauge	blue	W18WH	18 gauge	white
W14BR	14 gauge	brown	W18YE	18 gauge	yellow
W14GR	14 gauge	green			



To Order Call: 708-447-4500 or Outside Illinois 800-837-8707



Trailer Cable

100' foot roll

- High conductor strand count for excellent flexibility
- Specially formulated materials allow flexibility in temperatures to -85°F (-65°C)
- Resistant to gasoline, diesel fuel and commonly-used chemicals
- Color-coded for compatibility with SAE J560 connectors
- Available in boxed coils or in continuous lengths on disposable, wooden reels
- Assemblies are also available



CABLE DESCRIPTION	CABLE O.D. (NOMINAL)	ITEM #
4-way - 14 gauge	0.420	WTC4
6-way - 14 gauge	0.544	WTC6
7-way - 14 gauge	0.544	WTC7

Power Coils

Qty. - 1



- Excellent coil memory and durability
- Flexible in temperatures to -85°F (-65°C)
- Color-coded for compatibility with SAE J560 connectors
- Resistant to gasoline, diesel fuel and commonly-used chemicals
- Durable, zinc, die-cast plugs are standard



ITEM #	DESCRIPTION	GAUGE	WORKING LENGTH)
WT7C	Coil Black	1-12, 6-14	15'
WT7CABS	Coil Green ABS	1-18, 6-10, 4-12	15'
EL3007B	Power Cord Plug		
EL3227	Power Cord Receptacle		








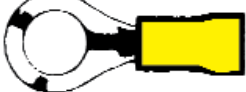


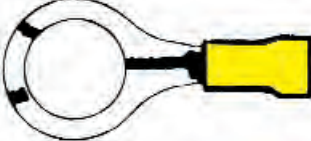


To Order Call: 708-447-4500 or Outside Illinois 800-837-8707





Solderless Terminals Insulated

For vinyl refer to part numbers below. For nylon add "N", Heat shrink insulation add "HS", solder heat shrink add "SHS" to part no.



*RING TONGUES

							
#22-18 wire #10 stud size - Pkg-100	T24102	#16-14 wire #4-6 stud size - Pkg-100	T24104	#16-14 wire #8-10 stud size - Pkg-100	T24106	#16-14 wire #12-1/4" stud - Pkg-100	T24107
							
#16-14 wire 3/8" stud size - Pkg- 100	T24109	#12-10 wire #8 stud size - Pkg-50	T24111	#12-10 wire #10 stud size - Pkg-50	T24112	#12-10 wire 1/4" stud size - Pkg-50	T24113
							
#12-10 wire 5/16" stud size - Pkg-50	T24114	#12-10 wire 3/8" stud - Pkg-50	T24115	1/2" stud size - Pkg-50	T24151		




*SPADE TONGUES

							
#22-18 wire #8 stud size - Pkg-100	T24116	#16-14 wire #10 stud size - Pkg-100	T24119	#12-10 wire #8 stud size - Pkg-50	T24121	#12-10 wire #10 stud size - Pkg-50	T24122

*HOOK TONGUES

			
#16-14 wire #8-10 stud size - Pkg - 100	T24124	#12-10 wire #8-10 stud size - Pkg-50	T24125

*BUTT CONNECTIONS

					
#22-18 wire Pkg- 100	T24128	#16-14 wire Pkg- 100	T24130	#12-10 wire Pkg-50	T24131

ILLUSTRATIONS ARE ACTUAL SIZE

* SOLDER HEAT SHRINK ALSO AVAILABLE

ALSO AVAILABLE IN ASSORTMENTS. REFER TO PAGE #126





To Order Call: 708-447-4500 or Outside Illinois 800-837-8707











Solderless Terminals Insulated

For vinyl refer to part numbers below. For nylon add "N", Heat shrink insulation add "HS", solder heat shrink add "SHS" to part no.



*MALE QUICK DISCONNECTS

DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
							
#16-14 wire 1/4" tab width - Pkg-100	T24126	#12-10 wire 1/4" tab width - Pkg-100	T24152	#16-14 wire for 1/4" tab - Pkg-100	T24127	#12-10 wire for 1/4" tab - Pkg-100	T24153

MISCELLANEOUS

DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
							
#16-14 wire .157 snap plug - Pkg-100	T24149	# 18-14 wire quick splice - Pkg-25	T24150	snap plug receptacle use with 24136 or 24149 - Pkg-25	T24154	#16-14 wire 3-way connector - Pkg-25	T30491
							
#12-10 wire 3-way 5/16" stud size - Pkg-50	T30492	#16-14 wire - fully insulated female quick slide - Pkg-50	T4285	#16-14 wire - fully insulated female quick slide - Pkg-50	J5140	#16-14 wire - fully insulated male quick slide - Pkg-50	J5141

NYLON CLOSED END CONNECTORS

DESCRIPTION	ITEM #	DESCRIPTION	ITEM #
			
#22-14 wire Pkg-50	T24143	#12-10 wire Pkg-50	T24144

ILLUSTRATIONS ARE ACTUAL SIZE

* SOLDER HEAT SHRINK ALSO AVAILABLE



To Order Call: 708-447-4500 or Outside Illinois 800-837-8707

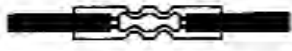
Heat Shrink Terminals

Installation Instructions

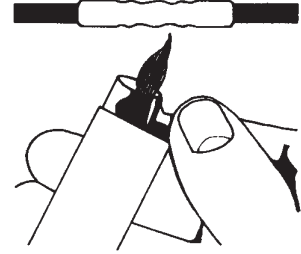
Select the correct terminal size for the wire gauge. Strip the wires 5/16" from the end and insert into the crimp barrel.



Making sure the wire end is properly sealed, make the terminal crimp connection using a tool designed for insulated splices.



Apply heat directly to the splice, working from the center out to the edges, using a hot air gun or other heat source, until the tubing shrinks and the adhesive flows. Allow to cool before inspecting splice and checking integrity.



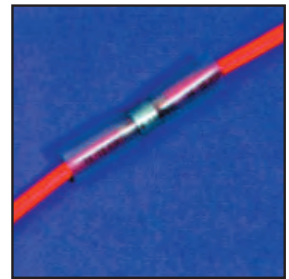
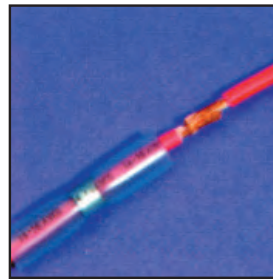
* Add HS to vinyl item #

Solder Heat Shrink Terminals

Features & Benefits of Using Solder Heat Shrink

- Translucent, adhesive-lined polyolefin tubing allows visual inspection, prevents wire corrosion, and provides a waterproof seal.
- Easy installation with a pre-measured solder takes the guesswork out of the soldering process.
- A soldered electrical connection provides superior current flow and tensile strength.
- Color-coded tubing with wire gauge imprint provides easy identification of the correct part for the job.

Easy to install



Elektralink Eliminates Recurring Electrical Problems

Problems

Corrosion on wire causes voltage drop.

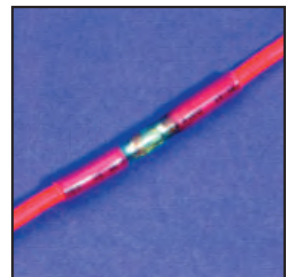
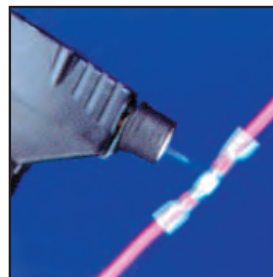


Solutions

Adhesive-lined tubing prevents corrosion on wire.



Translucent tubing allows visual inspection of installation.



Wire pulled loose due to strain or vibration.



Adhesive-lined heat shrink tubing and solder combine to increase tensile strength.



Cannot see whether terminal is properly installed.

* Add SHS to vinyl item #

• Assortments Available

See pages 106 to 107 for item #'s

To Order Call: 708-447-4500 or Outside Illinois 800-837-8707

