

# LARSCO, INC.

QUALITY ELECTRICAL PRODUCTS FOR INDUSTRY

- CONNECTORS
- WIRE & CABLE
- HEAT SHRINK
- SPLIT LOOM
- BATTERY TERMINALS
- CABLE TIES
- NYLON CLAMPS
- HOSE CLAMPS
- BATTERY CHARGERS
- CRIMPING TOOLS



FAMILY OWNED SINCE 1977



1.800.421.6680

503.655.1931

# CABLE TIES

18#



CABLE TIES SOLD IN 100, 500 & 1000 PACKS.

MINIATURE 18# NYLON CABLE TIES

PART NUMBER NATURAL	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER BLACK
LAR RT-350-NA	4.12	.095	.875	LAR RT-350-BK
LAR RT-377-NA	8.18	.095	2.187	LAR RT-377-BK

30#



COMPACT 30# NYLON CABLE TIES

PART NUMBER NATURAL	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER BLACK
LAR RT-400-NA	5.2	.115	1	LAR RT-400-BK

40#



INTERMEDIATE 40# NYLON CABLE TIES

PART NUMBER NATURAL	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER BLACK
LAR RT-550-NA	5.84	.14	1.437	LAR RT-550-BK

50#



STANDARD 50# NYLON CABLE TIES

PART NUMBER NATURAL	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER BLACK
LAR RT-675-NA ★	7.56	.18	1.875	LAR RT-675-BK
LAR RT-1100-NA ★	11.25	.18	3.062	LAR RT-1100-BK
LAR RT-1400-NA	14.56	.18	4.125	LAR RT-1400-BK
LAR RT-1700-NA	17.09	.187	4.75	LAR RT-1700-BK

★ ALSO SOLD IN COLORS, BLUE, BROWN, GREEN, GRAY, ORANGE, PINK, PURPLE, RED, WHITE, YELLOW AND NEON GREEN.

## SPECIALTY TIES



CLAMP TIES

CLAMP TIES HAVE A SPECIAL HEAD DESIGN FOR THE USE ON HOSES AND ROUND OBJECTS. STOCKED IN 100 PACKS

LAR 67212	4" X 18#	BUNDLE DIA. 7/8"
LAR 68212	8" X 50#	BUNDLE DIA. 1-3/4"

## BUTTON HEAD TIE



LAR 08721	9 5/8" X 105#
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50#



FITS 1/4" HOLE

FIR TREE PUSH-MOUNT TIE

LAR 28621	8.4" X 50#
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50#



DOUBLE LOOP CABLE TIES

PART NUMBER NATURAL	LENGTH	PART NUMBER BLACK
LAR RTDL-675-NA	8"	LAR RTDL-675-BK
LAR RTDL-1100-NA	12"	LAR RTDL-1100-BK
LAR RTDL-1400-NA	15"	LAR RTDL-1400-BK

# CABLE TIES



120#

OUR **120#** HEAVY DUTY CABLE TIES ARE STOCKED IN **NATURAL** AND **BLACK**.  
SOLD IN 100 PACKS.

## HEAVY DUTY 120# NYLON CABLE TIES

PART NUMBER <b>NATURAL</b>	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER <b>BLACK</b>
LAR RTH-800-NA	8.7	<b>.300</b>	2.06	LAR RTH-800-BK
LAR RTH-1400-NA	15.0	<b>.300</b>	4.06	LAR RTH-1400-BK
LAR RTH-1700-NA	17.7	<b>.300</b>	5.25	LAR RTH-1700-BK
LAR RTH-2100-NA	21.5	<b>.310</b>	6.00	LAR RTH-2100-BK
LAR RTH-2800-NA	28.5	<b>.300</b>	8.00	LAR RTH-2800-BK



175#

OUR **175#** EXTRA HEAVY DUTY CABLE TIES ARE STOCKED IN **NATURAL** AND **BLACK**.  
SOLD IN 100 PACKS.

## EXTRA HEAVY DUTY 175# NYLON CABLE TIES

PART NUMBER <b>NATURAL</b>	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER <b>BLACK</b>
LAR RTV-2500-NA	25.2	<b>.340</b>	7.18	LAR RTV-2500-BK
LAR RTV-3700-NA	37.2	<b>.340</b>	11.00	LAR RTV-3700-BK
LAR RTV-4800-NA	48.5	<b>.340</b>	14.5	LAR RTV-4800-BK



250#

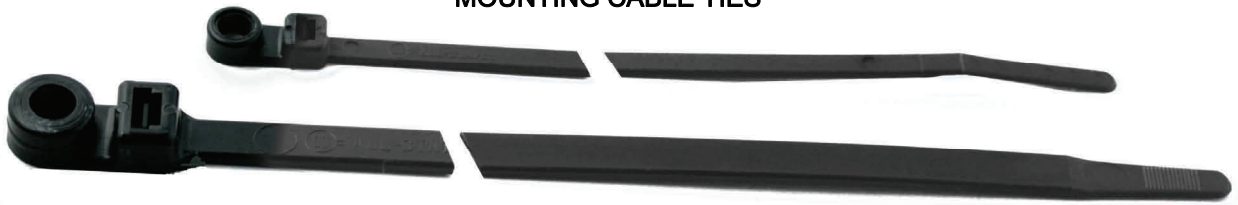
OUR **250#** SUPER-DUTY CABLE TIES ARE STOCKED IN **NATURAL** AND **BLACK**.  
SOLD IN 100 PACKS.

## SUPER DUTY 250# NYLON CABLE TIES

PART NUMBER <b>NATURAL</b>	LENGTH	WIDTH	BUNDLE DIAMETER	PART NUMBER <b>BLACK</b>
LAR RTE-1400-NA	14.75	<b>.500</b>	4	LAR RTE-1400-BK
LAR RTE-2100-NA	21.625	<b>.500</b>	6	LAR RTE-2100-BK
LAR RTE-2800-NA	28.375	<b>.500</b>	8	LAR RTE-2800-BK

# SPECIALTY CABLE TIES AND MOUNTS

## MOUNTING CABLE TIES



NATURAL	50# LENGTH	BUNDLE DIAMETER	BLACK
LAR RTM-675-NA	8"	1.75"	LAR RTM-675-BK
LAR RTM-1100-NA	12"	3.0"	LAR RTM-1100-BK
LAR RTM-1400-NA	15"	4.0"	LAR RTM-1400-BK

NATURAL	120# LENGTH	BUNDLE DIAMETER	BLACK
LAR RTHM-1400-NA	15"	4"	LAR RTHM-1400-BK
LAR RTHM-2100-NA	22"	6"	LAR RTHM-2100-BK
LAR RTHM-2800-NA	29"	8"	LAR RTHM-2800-BK



### HEAVY DUTY CABLE TIE MOUNTS

ALL 3 ACCEPT UP TO OUR 250# TIES

LAR 25521	3/16" MOUNTING HOLE
LAR 25621	1/4" MOUNTING HOLE
LAR 25721	5/16" MOUNTING HOLE



### LAR 29421

#### SUPER DUTY

3/8" MOUNTING HOLE  
EXCELLENT FOR USE  
WITH OUR 250# SUPER TIE.



### LAR 29021

DUAL SWIVEL SADDLE MOUNT  
ACCEPTS UP TO OUR 250#  
SUPER DUTY CABLE TIES.

SEE PAGE 16 FOR OUR RUBBER LINED  
AND VINYL DIPPED CLAMPS.



### LOCKING ADHESIVE BACKED CLAMPS

PART NUMBER	MAXIMUM BUNDLE DIAMETER
LAR ABCL-3/16	3/16"
LAR ABCL-1/4	1/4"
LAR ABCL-3/8	3/8"
LAR ABCL-1/2	1/2"
LAR ABCL-3/4	3/4"



### DUAL CLAMP TIES

150# 1/2" WIDE

PART NUMBER	LENGTH	BUNDLE DIA.
LAR 08821	13"	1.3"
LAR 08921	19.2"	2.3"

# NYLON CLAMPS & MOUNTING BASES

## LIGHT DUTY NYLON CLAMPS

3/8" WIDE WITH .203 MOUNTING HOLE



PART NUMBER NATURAL	CLAMP SIZE	PART NUMBER BLACK
ALL 1/8LN-NA	1/8"	ALL 1/8LN-BK
ALL 3/16LN-NA	3/16"	ALL 3/16LN-BK
ALL 1/4LN-NA	1/4"	ALL 1/4LN-BK
ALL 5/16LN-NA	5/16"	ALL 5/16LN-BK
ALL 3/8LN-NA	3/8"	ALL 3/8LN-BK
ALL 7/16LN-NA	7/16"	ALL 7/16LN-BK
ALL 1/2LN-NA	1/2"	ALL 1/2LN-BK

\*SOLD IN 100, 500 & 1000 PACKS.

OUR NYLON CLAMPS ARE STOCKED BOTH IN NATURAL AND BLACK. SOLD IN 100, 500 OR 1000 PACKS.

## HEAVY DUTY NYLON CLAMPS

1/2" WIDE WITH .203 MOUNTING HOLE

PART NUMBER NATURAL	CLAMP SIZE	PART NUMBER BLACK
ALL 1/8HN-NA	1/8"	ALL 1/8HN-BK
ALL 3/16HN-NA	3/16"	ALL 3/16HN-BK
ALL 1/4HN-NA	1/4"	ALL 1/4HN-BK
ALL 5/16HN-NA	5/16"	ALL 5/16HN-BK
ALL 3/8HN-NA	3/8"	ALL 3/8HN-BK
ALL 7/16HN-NA	7/16"	ALL 7/16HN-BK
ALL 1/2HN-NA	1/2"	ALL 1/2HN-BK
ALL 9/16HN-NA	9/16"	ALL 9/16HN-BK
ALL 5/8HN-NA	5/8"	ALL 5/8HN-BK
ALL 11/16HN-NA	11/16"	ALL 11/16HN-BK
ALL 13/16HN-NA	13/16"	ALL 13/16HN-BK
ALL 3/4HN-NA	3/4"	ALL 3/4HN-BK
ALL 7/8HN-NA	7/8"	ALL 7/8HN-BK
ALL 1HN-NA	1"	ALL 1HN-BK
ALL 1-1/8HN-NA	1-1/8"	ALL 1-1/8HN-BK
ALL 1-3/16HN-NA	1-3/16"	ALL 1-3/16HN-BK
ALL 1-1/4HN-NA	1-1/4"	ALL 1-1/4HN-BK
ALL 1-3/8HN-NA	1-3/8"	ALL 1-3/8HN-BK
ALL 1-1/2HN-NA	1-1/2"	ALL 1-1/2HN-BK

OUR SCREW MOUNT BASES ARE STOCKED IN NATURAL AND BLACK. SOLD IN 100 AND 500 PACKS



## SCREW MOUNT CABLE TIE BASES

PART NUMBER NATURAL	SIZE	FOR CABLE TIE SIZES	SCREW HOLE SIZE	PART NUMBER BLACK
ALL SM-68NA	.37 X .62	<b>50# MAX</b>	#8	ALL SM-68BK
ALL SM-10NA	.62 X .87	<b>120# MAX</b>	#10	ALL SM-10BK
ALL SM-25NA	.62 X .87	<b>120# MAX</b>	1/4"	ALL SM-25BK

## PUSH MOUNT 1/4" MOUNTING HOLE FITS UP TO 50# TIES

PART NUMBER	COLOR
ALL PM-1	NATURAL
ALL PM-1BK	BLACK



OUR ADHESIVE BACKED CABLE TIE MOUNTS ARE STOCKED IN NATURAL AND BLACK, FOR UP TO **50#** TIES. SOLD IN 100 AND 500 PACKS.



## ADHESIVE BACKED CABLE TIE MOUNTS

PART NUMBER NATURAL	BASE SIZE	SCREW HOLE	PART NUMBER BLACK
ALL ABMM-4NA	.75 X .75	NONE	ALL ABMM-4BK
ALL ABM-4NA	1.12 X 1.12	#8	ALL ABM-4BK

OUR LOW PROFILE CABLE TIE MOUNTS ACCEPT MINIATURE, INTERMEDIATE & OUR STANDARD **50#** CABLE TIES. SOLD IN 100 PACKS BLACK AND NATURAL.



## LOW PROFILE CABLE TIE MOUNT

PART NUMBER NATURAL	SIZE	SCREW HOLE	PART NUMBER BLACK
ALL LPM-56NA	.40 X .31	#6	ALL LPM-56BK
ALL LPM-68NA	.75 X .50	#8	ALL LPM-68BK



# PRIMARY WIRE

- STANDARD ANNEALED, SINGLE CONDUCTOR COPPER WIRE
- GENERAL PURPOSE THERMOPLASTIC (GPT) INSULATION
- ROHS COMPLIANT
- RECOMMENDED USE FOR TRUCKS, TRACTORS, CARS AND GENERAL SERVICE
- FOR USE AT 60 VOLTS OR LESS
- MEETS SAE J1128 SPECIFICATIONS



PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE PRIMARY WIRE

18 GAUGE		TEMPERATURE RATED @ 80°C (176°F)								TEMPERATURE RATED @ 105°C (221°F)					
		BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
100 ' ROLL	WIR PP9818C-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
500 ' ROLL	WIR PP9818D-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
1000 ' ROLL	WIR PP9818M-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY

16 GAUGE		TEMPERATURE RATED @ 80°C (176°F)								TEMPERATURE RATED @ 105°C (221°F)					
		BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
100 ' ROLL	WIR PP9816C-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
500 ' ROLL	WIR PP9816D-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
1000 ' ROLL	WIR PP9816M-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY

14 GAUGE		TEMPERATURE RATED @ 80°C (176°F)								TEMPERATURE RATED @ 105°C (221°F)					
		BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
100 ' ROLL	WIR PP9814C-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
500 ' ROLL	WIR PP9814D-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
1000 ' ROLL	WIR PP9814M-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY

12 GAUGE		TEMPERATURE RATED @ 80°C (176°F)								TEMPERATURE RATED @ 105°C (221°F)					
		BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
100 ' ROLL	WIR PP9812C-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
500 ' ROLL	WIR PP9812D-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
1000 ' ROLL	WIR PP9812M-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY

10 GAUGE		TEMPERATURE RATED @ 80°C (176°F)								TEMPERATURE RATED @ 105°C (221°F)					
		BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
100 ' ROLL	WIR PP9810C-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
500 ' ROLL	WIR PP9810D-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY
1000 ' ROLL	WIR PP9810M-	BK	BR	BL	YE	RD	GR	WH	OR	DKBL	DKGR	PK	PP	TN	GY

8 GAUGE		TEMPERATURE RATED @ 80°C (176°F)			
		BK	RD	WH	GR
100 ' ROLL	WIR PP988C-	BK	RD	WH	GR
500 ' ROLL	WIR PP988D-	BK	RD	WH	GR
1000 ' ROLL	WIR PP988M-	BK	RD	WH	GR

• OUR PRIMARY WIRE CAN BE CUSTOM STRIPED TO YOUR NEEDS. MINIMUM ROLL SIZES APPLY. PLEASE ASK YOUR SALES REP FOR DETAILS.

# SXL CROSS-LINKED POLYETHYLENE WIRE



- GENERAL PURPOSE AUTOMOTIVE AND MARINE WIRE FOR CIRCUIT WIRING WHERE HIGHER HEAT RESISTANCE IS A REQUIREMENT
- VULCANIZED TO OBTAIN THERMOSETTING INSULATION WHICH WILL NOT MELT WHEN EXPOSED TO HEAT
- RATED AT 125° C
- RESISTANT TO GREASE, OIL, GASOLINE AND ACID
- RESISTANT TO ABRASION AND AGING
- MEETS SAE J1128 SPECIFICATIONS
- RATED AT 50 VOLTS DC
- ROHS COMPLIANT

## 18 GAUGE CROSS-LINK WIRE

ROLL SIZE	PART#								
100 '	WIR SXL9618-C	BK	BR	BL	YE	RD	GR	WH	OR
1000 '	WIR SXL9618M-	BK	BR	BL	YE	RD	GR	WH	OR

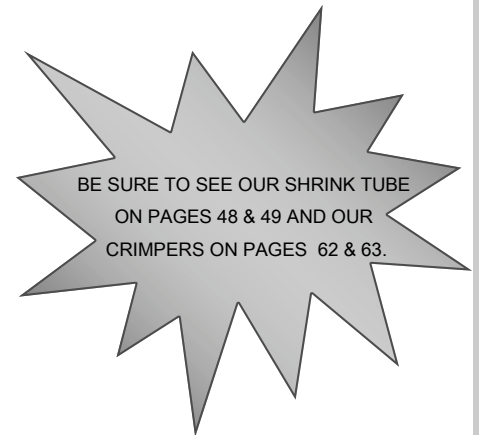


## 16 GAUGE CROSS-LINK WIRE

ROLL SIZE	PART#								
100 '	WIR SXL9616C-	BK	BR	BL	YE	RD	GR	WH	OR
1000 '	WIR SXL9616M-	BK	BR	BL	YE	RD	GR	WH	OR

## 14 GAUGE CROSS-LINK WIRE

ROLL SIZE	PART#								
100 '	WIR SXL9614C-	BK	BR	BL	YE	RD	GR	WH	OR
1000 '	WIR SXL9614M-	BK	BR	BL	YE	RD	GR	WH	OR



## 12 GAUGE CROSS-LINK WIRE

ROLL SIZE	PART#								
100 '	WIR SXL9612C-	BK	BR	BL	YE	RD	GR	WH	OR
1000 '	WIR SXL9612M-	BK	BR	BL	YE	RD	GR	WH	OR

## 10 GAUGE CROSS-LINK WIRE

ROLL SIZE	PART#				
100 '	WIR SXL9610C-	BK	RD	WH	GR
1000 '	WIR SXL9610M-	BK	RD		

- OUR CROSS LINK WIRE CAN BE CUSTOM STRIPED TO YOUR NEEDS. MINIMUM ROLL SIZES APPLY. PLEASE ASK YOUR SALES REP FOR DETAILS.





# MULTI-CONDUCTOR—BOAT CABLE



## UL LISTED 1426 TINNED WIRE—WHITE JACKET

BOAT CABLE BOAT CABLE BOAT CABLE BOAT CABLE BOAT CABLE BOAT CABLE BOAT CABLE BOAT CABLE

16/2 GAUGE STRANDING 6/30  NOMINAL OD .205	ROLL SIZE	BLACK	WHITE	RED	BLACK	YELLOW	RED
	100 '	EAS 04509		EAS 04536		EAS 04533	
	500 '	EAS 04510		EAS 04065		EAS 04534	
	1000 '	EAS 04511				EAS 04535	
14/2 GAUGE STRANDING 41/30  NOMINAL OD .221 X .362	ROLL SIZE	BLACK	WHITE	RED	BLACK	YELLOW	RED
	100 '	EAS 04506		EAS 04537		EAS 04530	
	500 '	EAS 04507		EAS 04064		EAS 04531	
	1000 '	EAS 04508				EAS 04532	
12/2 GAUGE STRANDING 65/30  NOMINAL OD .245 X .410	ROLL SIZE	BLACK	WHITE	RED	BLACK	YELLOW	RED
	100 '	EAS 04503		EAS 04538		EAS 04527	
	500 '	EAS 04504		EAS 04063		EAS 04528	
	1000 '	EAS 04505				EAS 04529	
10/2 GAUGE STRANDING 105/30  NOMINAL OD .273 X .466	ROLL SIZE	BLACK	WHITE	RED	BLACK	YELLOW	RED
	100 '	EAS 04500		EAS 04539		EAS 04524	
	500 '	EAS 04501		EAS 04062		EAS 04525	
	1000 '	EAS 04502				EAS 04526	
16/3 GAUGE STRANDING 26/30  NOMINAL OD .204 X .45	ROLL SIZE	BLACK	WHITE	GREEN			
	100 '	EAS 04521					
	500 '	EAS 04522					
	1000 '	EAS 04523					
14/3 GAUGE STRANDING 41/30  NOMINAL OD .221 X .503	ROLL SIZE	BLACK	WHITE	GREEN			
	100 '	EAS 04518					
	500 '	EAS 04510					
	1000 '	EAS 04520					
12/3 GAUGE STRANDING 65/30  NOMINAL OD .245 X .575	ROLL SIZE	BLACK	WHITE	GREEN			
	100 '	EAS 04515					
	500 '	EAS 04516					
	1000 '	EAS 04517					
10/3 GAUGE STRANDING 105/30  NOMINAL OD .273 X .466	ROLL SIZE	BLACK	WHITE	GREEN			
	100 '	EAS 04512					
	500 '	EAS 04513					
	1000 '	EAS 04514					



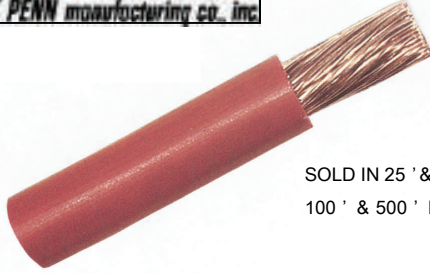
ALSO AVAILABLE IN ROUND MULTI-CONDUCTOR BOAT CABLE. ASK YOUR SALES REP FOR DETAILS.

- MULTI-CONDUCTOR WIRE IS UL LISTED 1426
- ELECTRO-TINNED, COPPER STRANDS INCREASE CORROSION PROTECTION
- RATED 600 VOLTS
- ROHS COMPLIANT
- MEETS DOT AND COAST GUARD SPECIFICATIONS FOR ELECTRICAL SYSTEMS
- TEMPERATURE RATINGS OF 105° C (221° F) DRY, AND 75° C (167° F) WET
- FLAME RETARDANT PVC INSULATION

BE SURE TO SEE OUR SHRINK TUBE ON PAGES 48 & 49 AND OUR CRIMPERS ON PAGES 62 & 63.




## BATTERY CABLE AND WELDING CABLE BATTERY CABLE




SOLD IN 25 ' & 50 ' BOX.  
100 ' & 500 ' ROLLS.

- FULL GAUGE COPPER CONDUCTOR
- TOUGH, HIGH TEMPERATURE PVC INSULATION FOR USE AT 60 VOLTS OR LESS
- MEETS SAE J1127 SPECIFICATIONS
- TEMPERATURE RATING OF 80 C ( 176 F )
- 2 GAUGE TEMPERATURE IS 105 C ( 221 F )
- ROHS COMPLIANT
- RECOMMENDED FOR CONNECTING BATTERY TO SWITCH, STARTER AND GROUND

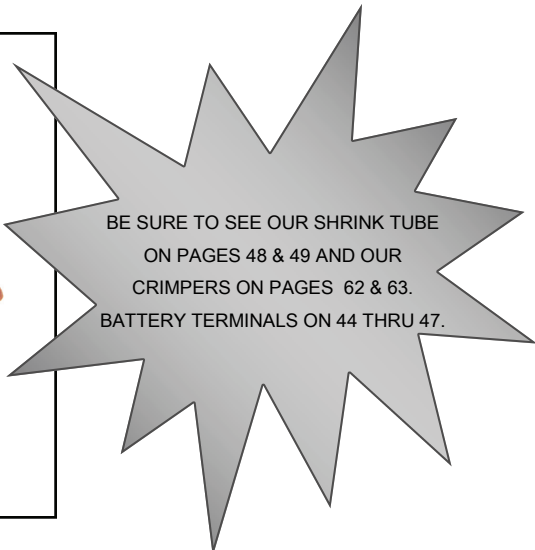
BLACK	CABLE SIZE	RED
WIR SC-936C-BK	6	WIR SC-936C-RD
WIR SC-934C-BK	4	WIR SC-934C-RD
WIR SC-932C-BK	2	WIR SC-932C-RD
WIR SC-931C-BK	1	WIR SC-931C-RD
WIR SC-930C-BK	1/0	WIR SC-930C-RD
WIR SC-9320C-BK	2/0	WIR SC-9320C-RD
WIR SC-9330C-BK	3/0	
WIR SC-9340C-BK	4/0	



**CABLE STRIPPER  
CON 1820**  
STRIPS CABLE FROM .18 " TO 1.00 " DIAMETER.



**CABLE CUTTER  
BEN UPB-41**  
" FOR COPPER CABLE ONLY "



## WELDING CABLE



SOLD IN 25 ', 50 ' & 100 ' BOX.  
250 ' & 500 ' ROLLS.

- HIGH STRANDING AND EDPM JACKET FOR GREATER WEATHER FLEXIBILITY
- EXCELLENT ABRASION AND CHEMICAL RESISTANCE
- RATED AT 105 C ( 221 F )
- RATED TO 600 VOLTS
- ROHS COMPLIANT

BLACK	CABLE SIZE	RED
WIR WC-6BK	6	WIR WC-6RD
WIR WC-4BK	4	WIR WC-4RD
WIR WC-2BK	2	WIR WC-2RD
WIR WC-1BK	1	WIR WC-1RD
WIR WC-1/0BK	1/0	WIR WC-1/0RD
WIR WC-2/0BK	2/0	WIR WC-2/0RD
WIR WC-3/0BK	3/0	
WIR WC-4/0BK	4/0	

# GUEST® Portable Chargers Single-Battery On-Board Chargers



## Portable Chargers

MODEL	TOTAL AMPS	OUT-PUTS	AMPS PER OUTPUT	BATTERY SYSTEM	INPUT VOLTAGE	AC	DC	DIMENSIONS	WT. (LBS)	AGENCY LISTING
2606A	6	1	6	12V	100 - 130 50/60Hz	6' cord w/ standard plug	4' w/ battery clips	5.5" x 5" x 2.4"	3.5	UL
2606A-B (bulk)										
2612A	10	1	10	12V	100 - 130 50/60Hz	6' cord w/ standard plug	4' w/ battery clips	7.5" x 5" x 2.4"	4.5	UL

## Single-Battery† On-Board Chargers ★ ASK YOUR SALES REP FOR OUR FULL LINE CATALOG OF GUEST CHARGERS.





MODEL	TOTAL AMPS	OUT-PUTS	AMPS PER OUTPUT	BATTERY SYSTEM	INPUT VOLTAGE	AC	DC	DIMENSIONS	WT. (LBS)	AGENCY LISTING
2602A-12	2	1	2	12V	100 - 130 50/60Hz	6' cord w/ Connect- Charge plug	4' w/ ring terminals	2.9" x 5.1" x 1.5"	2	UL
2602A-12-B (bulk)										
2602A-24-B (bulk pack only)	2	1	2	24V	100 - 130 50/60Hz	6' cord w/ Connect- Charge plug	4' w/ ring terminals	2.9" x 5.1" x 1.5"	2	UL
2603 (1)	3	1	3	12V	100 - 130 50/60Hz	18" cord w/ standard plug	4' w/ battery clips	3.1" x 3.5" x 2.3"	1	UL
2603-B (bulk) (1)										
2608A	6	1	6	12V	100 - 130 50/60Hz	6' cord w/ Connect- Charge plug	4' w/ ring terminals	3.5" x 6.4" x 2.3"	4	UL (bulk only)
2608A-B (bulk)										
2608A-B-01 (bulk pack only) (1)	6	1	6	12V	100 - 130 50/60Hz	6' cable w/ molded plug rated -40 to 105C	4' w/ ring terminals rated -40 to 105C	3.5" x 6.4" x 2.3"	4	UL
2611A-1-B (bulk pack only)	10	1	10	12V	100 - 130 50/60Hz	6' cord w/ Connect- Charge plug	4' w/ ring terminals	5.5" x 7.8" x 2.4"	5.6	UL

† For single battery or a parallel bank of batteries in 12V DC (1) 2-stage charging

# SPECIALTY WIRE PRODUCTS


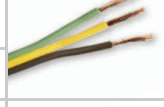

## JACKETED PARALLEL WIRE

SOLD IN 100' ROLLS

PART NUMBER	CONDUCTORS	WIRE GAUGE	COLOR CODE
EAS 03200		16 GAUGE	BLACK/WHITE
EAS 03203		16 GAUGE	BLACK/RED
EAS 03206		14 GAUGE	BLACK/WHITE
EAS 03209		14 GAUGE	BLACK/RED
EAS 03212		12 GAUGE	BLACK/WHITE
EAS 03215		12 GAUGE	BLACK/RED
EAS 03218		12 GAUGE	BLACK/BLUE
EAS 03221		10 GAUGE	BLACK/WHITE
EAS 03224		8 GAUGE	BLACK/WHITE
EAS 03227		16 GAUGE	BK/WH/GR
EAS 03230		14 GAUGE	BK/WH/GR
EAS 03233		12 GAUGE	BK/WH/GR
EAS 03236		10 GAUGE	BK/WH/GR
EAS 03239		16 GAUGE	BK/WH/GR/RD
EAS 03242		14 GAUGE	BK/WH/GR/RD
EAS 03245		12 GAUGE	BK/WH/GR/RD
EAS 03248		10 GAUGE	BK/WH/GR/RD

## BONDED PARALLEL WIRE

SOLD IN 100' ROLLS

PART NUMBER	CONDUCTORS	WIRE GAUGE	COLOR CODE
EAS 02918		18 GAUGE	RED/BLACK
EAS 02909		16 GAUGE	RED/BLACK
EAS 02927		16 GAUGE	YELLOW/BROWN
EAS 02930		16 GAUGE	GREEN/BROWN
EAS 02900		14 GAUGE	RED/BLACK
EAS 02921		18 GAUGE	BR/YE/GR
EAS 02912		16 GAUGE	BR/YE/GR
EAS 02903		14 GAUGE	BR/YE/GR
EAS 02924		18 GAUGE	WH/BR/YE/GR
EAS 02915		16 GAUGE	WH/BR/YE/GR
EAS 02906		14 GAUGE	WH/BR/YE/GR

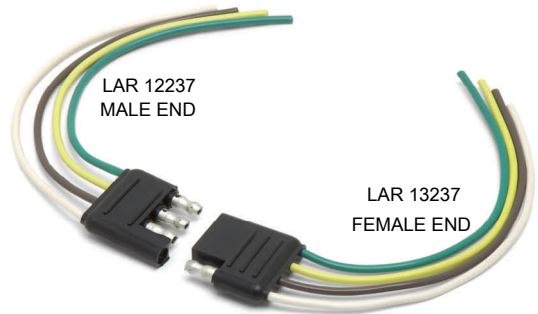


• OUR JACKETED AND BONDED PARALLEL WIRE IS ALSO AVAILABLE IN 500' & 1000' ROLLS, ASK YOUR SALES REP FOR DETAILS.

★ ASK FOR YOUR **POLLAK** CATALOG FOR ALL OF YOUR TRAILER PLUG AND SOCKET NEEDS.

## MOLDED CONNECTORS 16 GAUGE WIRE

CONTACTS	12" LOOP MALE / FEMALE	MALE END 8"	FEMALE END 8"	FEMALE END 48"
1	LAR 00937	LAR 11937	LAR 12837	LAR 10937
2	LAR 00037	LAR 12037	LAR 13037	LAR 11037
3	LAR 00137	LAR 12137	LAR 13137	LAR 11137
4 FLAT	LAR 00237	LAR 12237	LAR 13237	LAR 11237
4 SQUARE	LAR 14337	LAR 15337	LAR 16337	LAR 17337
5	LAR 14437	LAR 15437	LAR 16437	LAR 17437
6	LAR 14537	LAR 15537	LAR 16537	LAR 17537
8	LAR 14637	LAR 15637	LAR 16637	LAR 17637



## 18 GAUGE TEST LEAD WIRE

SUPER FLEXIBLE

PART NUMBER	COLOR	ROLL SIZE
WIR TLW-18BK	BLACK	100'
WIR TLW-18RD	RED	100'

## STEREO SPEAKER WIRE

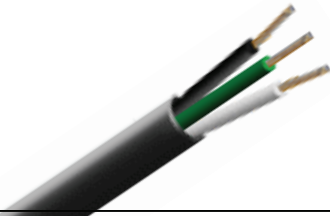
CLEAR COAT WITH TRACER / 100' ROLLS

PART NUMBER	WIRE GAUGE	STRANDING
EAS 02203	18	16/30
EAS 02206	16	26/30
EAS 02209	14	41/30
EAS 02212	12	65/30

\*ALSO AVAILABLE IN 500' & 1000' ROLLS

SPECIAL WIRE PRODUCTS SPECIAL WIRE PRODUCTS SPECIAL WIRE PRODUCTS SPECIAL WIRE PRODUCTS

# POWER CORD AND TRAILER CABLE

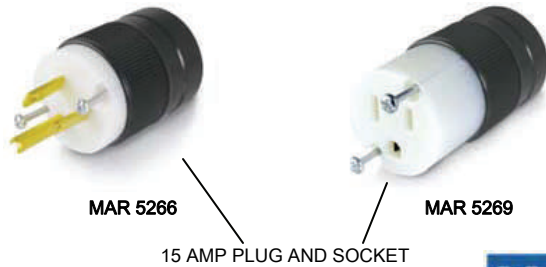


## POWER CORD

- STRANDED TYPE SJEW FLEXIBLE POWER CABLE
- UL STANDARD 62, CSA 22.2 NO 49, NEC ARTICLE 400., MSHA
- 300 VOLT PORTABLE OIL/WATER RESISTANT SUBMERSIBLE OUTDOOR FLEXIBLE POWER CABLE
- OUR POWER CORD IS SOLD IN 250 ' ROLLS

PART NUMBER	WIRE SIZE	COLOR CODE
WIR PSC3-182	18/2	BK/WH
WIR PSC3-183	18/3	BK/WH/GR
WIR PSC3-184	18/4	BK/WH/GR/RD
WIR PSC3-162	16/2	BK/WH
WIR PSC3-163	16/3	BK/WH/GR
WIR PSC3-164	16/4	BK/WH/GR/RD
WIR PSC3-142	14/2	BK/WH
WIR PSC3-143	14/3	BK/WH/GR
WIR PSC3-144	14/4	BK/WH/GR/RD

★ SEE OUR FULL LINE OF **MARINCO** PLUGS AND SOCKETS FOR ALL OF YOUR POWER CORD NEEDS FROM 15-50 AMP ON PAGES 60 AND 61. ASK YOUR SALES REP FOR A FULL LINE **MARINCO** CATALOG.



MAR 5266

MAR 5269

15 AMP PLUG AND SOCKET



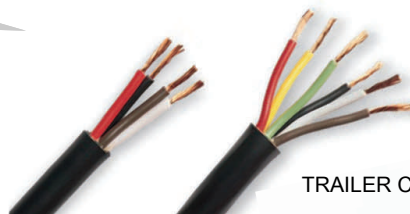
\*SOLD IN 250 ' ROLLS

BE SURE TO SEE OUR SHRINK TUBE ON PAGES 48 & 49, AND OUR CRIMPERS ON PAGES 62 & 63.

ASK FOR YOUR **POLLAK** CATALOG FOR ALL OF YOUR TRAILER PLUG AND SOCKET NEEDS.

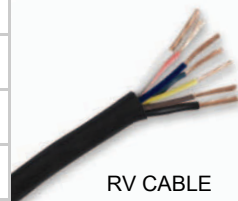


## TRAILER CABLE

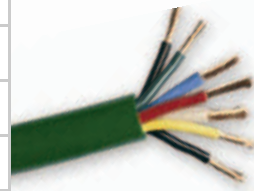


TRAILER CABLE

PART NUMBER	# CONDUCTORS	WIRE GAUGE	COLOR CODE
WIR TC1024-16TC	4	16	BK/RD/BR/WH
WIR TC1026-16TC	6	16	RD/GRN/BR/WH/BK/YE
WIR TC1126-16TC	6	16	GRN/BL/YE/BK/RD/BR
WIR TC1024-14TC	4	14	BK/RD/BR/WH
WIR TC1124-14TC	4	14	WH/BR/YE/GRN
WIR TC1026-14TC	6	14	RD/GRN/BR/WH/BK/YE
WIR TC1126-14TC	6	14	RD/BL/GRN/YE/BR/BK
WIR TC1427-14TC	7	14	RD/GRN/BR/WH/BK/YE/BL
WIR TC1027TC	7	6 #12 & 1#10	WH/BK/YE/RD/GRN/BR/BL
WIR RV1027TC	7	4/14-2/10-1/12	DKBL/BR/BK/DKGRN/RD/WH/YE
WIR ABS1027TC	7	4/12-2/10-1/8	WH/BR/DKGR/RD/YE/BK/BL



RV CABLE



ABS CABLE

WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM WIRE LOOM

NOMINAL SIZE	PART #	EXPANSION RANGE		STANDARD SPOOL PUT-UPS	
		MIN.	MAX.	MINI SPOOL	BULK SPOOL
1/8"	TEC PTN0.13	3/32"	1/4"	225'	1,000'
1/4"	TEC PTN0.25	1/8"	7/16"	200'	1,000'
3/8"	TEC PTN0.38	3/16"	5/8"	125'	500'
1/2"	TEC PTN0.50	1/4"	3/4"	100'	500'
5/8"	TEC PTN0.63	3/8"	1"	100'	500'
3/4"	TEC PTN0.75	1/2"	1-1/4"	75'	250'
1"	TEC PTN1.00	5/8"	1-5/8"	65'	250'
1-1/4"	TEC PTN1.25	3/4"	1-3/4"	50'	250'
1-1/2"	TEC PTN1.50	1"	2-1/2"	40'	200'
1-3/4"	TEC PTN1.75	1-1/4"	2-3/4"	30'	200'
2"	TEC PTN2.00	1-1/2"	3-1/2"	50'	200'
2-1/2"	TEC PTN2.50	1-3/4"	4-1/2"	50'	200'
3"	TEC PTN3.00	2-1/2"	4-3/4"	50'	100'

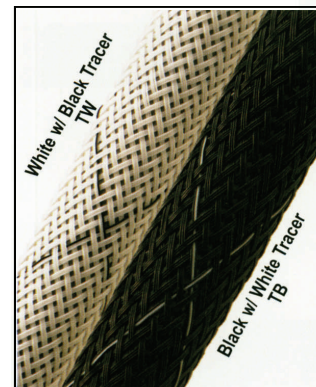
★ STOCKED IN BLACK AND WHITE.  
17 COLORS AVAILABLE, ASK YOUR SALES REP FOR DETAILS.



## TECHFLEX FLAME RETARDANT EXPANDABLE SLEEVING

NOMINAL SIZE	PART #	EXPANSION RANGE		STANDARD SPOOL PUT-UPS	
		MIN.	MAX.	MINI SPOOL	BULK SPOOL
1/8"	TEC FRN0.13	3/32"	1/4"	225'	1,000'
1/4"	TEC FRN0.25	1/8"	7/16"	200'	1,000'
3/8"	TEC FRN0.38	3/16"	5/8"	125'	500'
1/2"	TEC FRN0.50	1/4"	3/4"	100'	500'
3/4"	TEC FRN0.75	1/2"	1-1/4"	75'	250'
1-1/4"	TEC FRN1.25	3/4"	1-3/4"	50'	250'
1-1/2"	TEC FRN1.50	1"	2-1/2"	40'	200'
1-3/4"	TEC FRN1.75	1-1/4"	2-3/4"	30'	200'
2"	TEC FRN2.00	1-1/2"	3-1/2"	50'	200'
2-1/2"	TEC FRN2.50	1-3/4"	4-1/2"	50'	200'
3"	TEC FRN3.00	2-1/2"	4-3/4"	50'	100'

★ AVAILABLE IN BLACK TB AND WHITE TW



## FLEXIBLE, SEMI-RIGID WRAPPABLE SPLIT BRAIDED TUBE

NOMINAL SIZE	PART #	EXPANSION RANGE		STANDARD SPOOL PUT-UPS	
		MIN.	MAX.	MINI SPOOL	BULK SPOOL
1/8"	TEC F6N0.13	<div style="text-align: center;"> <p>VARIABLE</p> <p>Nominal Diameter</p> <p>25% OVERLAP</p> </div>		100'	400'
1/4"	TEC F6N0.25			100'	200'
1/2"	TEC F6N0.50			75'	150'
3/4"	TEC F6N0.75			50'	100'
1"	TEC F6N1.00			50'	100'
1-1/2"	TEC F6N1.50			25'	75'
2"	TEC F6N2.00			25'	50'

**Flexible,  
Semi-Rigid  
Wrappable Split  
Braided Tube**



MORE FLEXIBLE THAN SPLIT LOOM TUBING OR SPIRAL WRAP. CUT AND ABRASION RESISTANT. RETAINS SHAPE AND RIGIDITY FROM -75°C TO 125°C. MELTING TEMPERATURE 230°C. SOFT AND QUIET IN HIGH VIBRATION USES. 25% EDGE OVERLAP. 10 MIL PET BRAID.

# SPLIT LOOM & SPIRAL WRAP TUBING

SPLIT LOOM IS IDEAL FOR A PROFESSIONAL YET ECONOMICAL WIRE LOOM HARNESS SOLUTION. AVAILABLE IN SIZES 1/8" TO 2" IN BOTH STANDARD POLYETHYLENE OR HIGH TEMPERATURE NYLON.

## POLYETHYLENE SPLIT LOOM

MAXIMUM TEMP 200 DEGREE

## NYLON SPLIT LOOM

MAXIMUM TEMP 300 DEGREE

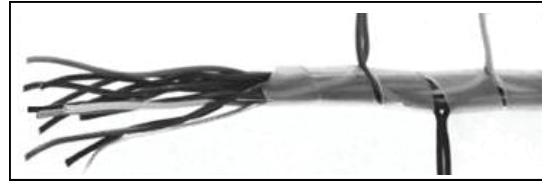
100 ' BOX	BULK BOX		100 ' BOX	BULK BOX	
LAR SCL-1/8BK					
LAR SCL-1/4BK	LAR SL-1/4	3200 '	LAR SCLN-1/4BK	LAR SLFN-1/4	3200 '
LAR SCL-3/8BK	LAR SL-3/8	1900 '	LAR SCLN-3/8BK	LAR SLFN-3/8	1900 '
LAR SCL-7/16BK	LAR SL-7/16	1500 '	LAR SCLN-7/16BK	LAR SLFN-7/16	1500 '
LAR SCL-1/2BK	LAR SL-1/2	1100 '	LAR SCLN-1/2BK	LAR SLFN-1/2	1100 '
LAR SCL-5/8BK	LAR SL-5/8	800 '	LAR SCLN-5/8BK	LAR SLFN-5/8	800 '
LAR SCL-3/4BK	LAR SL-3/4	600 '	LAR SCLN-3/4BK	LAR SLFN-3/4	600 '
LAR SCL-1BK	LAR SL-1	350 '	LAR SCLN-1BK	LAR SLFN-1	400 '
LAR SCL-1-1/4BK	LAR SL-1-1/4	250 '	LAR SCLN-1-1/4BK	LAR SLFN-1-1/4	250 '
LAR SCL-1-1/2BK	LAR SL-1-1/2	150 '	LAR SCLN-1-1/2BK	LAR SLFN-1-1/2	150 '
LAR SCL-2BK	LAR SL-2	100 '	LAR SCLN-2BK	LAR SLFN-2	100 '



STANDARD POLYPROPYLENE



NYLON WITH GRAY STRIPE



SPIRAL WRAP TUBING IS USED WHERE FLEXIBILITY IS IMPORTANT AND ALLOWS FOR INDIVIDUAL WIRES TO BE REROUTED AT VARIOUS INTERVALS THROUGH-OUT THE LENGTH OF THE CABLE RUN.

## SPIRAL WRAP

POLYETHYLENE 215 DEGREE MAX TEMP		MAXIMUM BUNDLE DIAMETER	NYLON NATURAL 300 DEGREE MAX TEMP BLACK 230 DEGREE MAX TEMP	
NATURAL	BLACK		NATURAL	BLACK
LAR SWP-1/8NA	LAR SWP-1/8BK	1/2 "	LAR SWN-1/8NA	LAR SWN-1/8BK
LAR SWP-3/16NA	LAR SWP-3/16BK	1-1/2 "		
LAR SWP-1/4NA	LAR SWP-1/4BK	2 "	LAR SWN-1/4NA	LAR SWN-1/4BK
LAR SWP-3/8NA	LAR SWP-3/8BK	3 "	LAR SWN-3/8NA	LAR SWN-3/8BK
LAR SWP-1/2NA	LAR SWP-1/2BK	4 "	LAR SWN-1/2NA	LAR SWN-1/2BK
LAR SWP-3/4NA	LAR SWP-3/4BK	6 "	LAR SWN-3/4NA	LAR SWN-3/4BK
LAR SWP-1NA	LAR SWP-1BK	8 "	LAR SWN-1NA	LAR SWN-1BK

1/8 " THRU 1/2" SOLD IN 100' ROLLS - 3/4" & 1 " SOLD IN 50 ' BOXES.



SPLIT LOOM TOOLS

SIZE	PART NUMBER
.350 "	LAR LIT.350
.500 "	LAR LIT.500
.750 "	LAR LIT.750
1.00 "	LAR LIT1.00
1.25 "	LAR LIT1.25





### MICRO CLAMPS 5/16 " BAND

PART NUMBER	MIN. DIAMETER	MAX DIAMETER	PACKAGE QTY
TRI MSS-4	1/4 "	5/8 "	10
TRI MSS-6	5/16 "	7/8 "	10
TRI MSS-12	1/2 "	1-1/4 "	10
TRI MSS-16	1/2 "	1-1/2 "	10
TRI MSS-20	3/4 "	1-3/4 "	10

\*OUR MICRO CLAMP 350 SERIES LOW PROFILE HOUSING AND 5/16 " BAND ARE MADE OF 201/301 STAINLESS, AND THE 1/4 " HEX SCREW IS MADE OF 410 STAINLESS.



**\* OUR CLAMPS ARE PACKAGED 10 PER BOX.**

### REGULAR HOSE CLAMPS 9/16 " BAND

PART NUMBER	MIN. DIAMETER	MAX DIAMETER	PACKAGE QTY
TRI SS-6	3/8 "	7/8 "	10
TRI SS-8	7/16 "	1 "	10
TRI SS-10	1/2 "	1-1/16 "	10
TRI SS-12	1/2 "	1-1/4 "	10
TRI SS-16	11/16 "	1-1/2 "	10
TRI SS-20	3/4 "	1-3/4 "	10
TRI SS-24	1 "	2 "	10
TRI SS-28	1-1/4 "	2-1/4 "	10
TRI SS-32	1-1/2 "	2-1/2 "	10
TRI SS-36	1-3/4 "	2-3/4 "	10
TRI SS-40	2 "	3 "	10
TRI SS-44	2-1/4 "	3-1/4 "	10
TRI SS-48	2-1/2 "	3-1/2 "	10
TRI SS-52	2-3/4 "	3-3/4 "	10
TRI SS-56	3 "	4 "	10
TRI SS-60	3-1/4 "	4-1/4 "	10
TRI SS-64	2-1/2 "	4-1/2 "	10
TRI SS-72	3 "	5 "	10
TRI SS-88	4 "	6 "	10
TRI SS-96	4-1/2 "	6-1/2 "	10
TRI SS-104	5 "	7 "	10

\*OUR STANDARD 620 SERIES HOUSING AND 9/16 " BAND WITH 5/16 " HEX/SLOTTED SCREW ARE MADE OF HIGH NICKEL GRADE STAINLESS.



ASK YOUR SALES REP ABOUT OUR BULK PACKAGING AND SCHEDULED DELIVERY OPTIONS.





**3M 06147 AND 06149**

**ELECTRICAL MOISTURE SEALANT TAPE**

MMM 06147	2-1/2 " X 10 ' ROLL
MMM 06149	1-1/2 " X 1-1/2 " 25 PADS/BOX

3M 06147 AND 06149 ARE 45 MIL THICK ROLL OR PADS. MADE OF SELF FUSING RUBBER BASED INSULATING COMPOUND, LAMINATED TO AN ALL-WEATHER GRADE VINYL (PVC) BACKING. THEY MOLD EASILY AROUND DIFFICULT SHAPES AND WILL INSULATE, MOISTURE SEAL AND PAD ALL CONNECTIONS UP TO 600 VOLTS.

**TAPES AND GROMMETS**

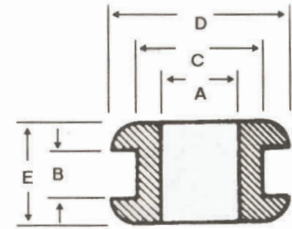


**3M 130C LINERLESS RUBBER SPLICING TAPE**

MMM 130C-3/4	3/4 " X 30 '
MMM 130C-1	1 " X 30 '
MMM 130C-1-1/2	1-1/2 " X 30 '
MMM 130C-2	2 " X 30 '

SCOTCH BRAND 130C TAPE IS A HIGHLY CONFORMABLE, LINERLESS RUBBER (EPR), HIGH VOLTAGE INSULATING TAPE FORMULATED TO PROVIDE EXCELLENT THERMAL DISSIPATION OF SPLICE HEAT. RATED TO 90°C CONTINUOUS OPERATING TEMPERATURE AND SHORT TERM 130°C OVERLOAD SERVICE.

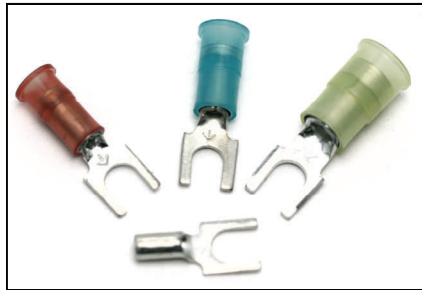
	A	B	C	D	E
PART NUMBER	BORE DIA.	GROOVE WIDTH	GROOVE DIA.	OUTSIDE DIA.	OVERALL THICKNESS
AUV 4408	1/8 "	3/32 "	3/8 "	1/2 "	5/16 "
AUV 4410	5/32 "	1/16 "	1/4 "	3/8 "	3/16 "
AUV 4411	5/32 "	3/32 "	1/4 "	7/16 "	3/8 "
AUV 4413	3/16 "	1/16 "	5/16 "	1/2 "	1/4 "
AUV 4414	3/16 "	3/32 "	9/32 "	3/8 "	5/16 "
AUV 4415	3/16 "	1/4 "	5/16 "	7/16 "	3/8 "
AUV 16454	1/4 "	1/16 "	3/8 "	1/2 "	3/16 "
AUV 4417	1/4 "	1/16 "	7/16 "	5/8 "	3/16 "
AUV 4418	1/4 "	1/16 "	1 "	1-1/4 "	1/4 "
AUV 4419	5/16 "	1/16 "	7/16 "	9/16 "	3/16 "
AUV 4420	5/16 "	1/16 "	9/16 "	13/16 "	5/16 "
AUV 16455	5/16 "	1/16 "	3/4 "	1 "	5/16 "
AUV 4421	5/16 "	1/8 "	9/16 "	13/16 "	3/8 "
AUV 4422	5/16 "	1/4 "	9/16 "	13/16 "	1/2 "
AUV 4423	3/8 "	1/16 "	1/2 "	5/8 "	9/32 "
AUV 16456	3/8 "	1/16 "	5/8 "	7/8 "	11/32 "
AUV 4425	3/8 "	1/16 "	1 "	1-1/4 "	1/4 "
AUV 4426	3/8 "	1/4 "	5/8 "	7/8 "	1/2 "
AUV 16457	7/16 "	1/16 "	9/16 "	3/4 "	1/4 "
AUV 4428	1/2 "	3/32 "	3/4 "	31/32 "	9/32 "
AUV 4429	1/2 "	3/32 "	25/32 "	1 "	11/32 "
AUV 16458	1/2 "	1/8 "	3/4 "	1 "	1/2 "
AUV 4430	1/2 "	1/4 "	13/16 "	1-1/16 "	1/2 "
AUV 4431	5/8 "	1/8 "	7/8 "	1-1/8 "	3/8 "
AUV 4432	5/8 "	1/16 "	7/8 "	1-1/8 "	5/16 "
AUV 4433	3/4 "	1/16 "	15/16 "	1-1/8 "	1/4 "
AUV 4434	3/4 "	1/16 "	1-1/16 "	1-3/8 "	3/8 "
AUV 4435	3/4 "	1/16 "	1-1/4 "	1-5/8 "	1/4 "
AUV 4436	3/4 "	1/4 "	1-1/4 "	1-5/8 "	7/16 "



**OUR GROMMETS ARE PACKAGED  
25 PER BOX.**







### BLOCK SPADE TERMINALS

WIRE GAUGE	STUD SIZE	NYLON INSULATED DOUBLE CRIMP	UN-INSULATED BRAZED SEAM
22-18	#6	MMM BS-31-6-NB	MMM BS-31-6-W
	★#6	MMM BS-31-6S-NB	MMM BS-31-6S-W
	#8	MMM BS-31-8-NB	MMM BS-31-8-W
	#10	MMM BS-31-10-NB	MMM BS-31-10-W
16-14	#6	MMM BS-32-6-NB	MMM BS-32-6-W
	★#6	MMM BS-32-6S-NB	MMM BS-32-6S-W
	#8	MMM BS-32-8-NB	MMM BS-32-8-W
	#10	MMM BS-32-10-NB	MMM BS-32-10-W
12-10	#6	MMM BS-33-6-NB	MMM BS-33-6-W
	#8	MMM BS-33-8-NB	MMM BS-33-8-W
	#10	MMM BS-33-10-NB	MMM BS-33-10-W

### SPADE TERMINALS

WIRE GAUGE	STUD SIZE	NYLON INSULATED DOUBLE CRIMP
22-18	#6	MMM 31-6-NB
	#8	MMM 31-8-NB
	#10	MMM 31-10-NB
16-14	#6	MMM 32-6-NB
	#8	MMM 32-8-NB
	#10	MMM 32-10-NB
12-10	#6	MMM 33-6-NB
	#8	MMM 33-8-NB
	#10	MMM 33-10-NB

★TERMINALS HAVE A NARROW SPADE WIDTH FOR TIGHT SPACES.

BE SURE TO SEE OUR SHRINK TUBE ON PAGES 48 & 49 AND MORE CRIMPERS ON PAGES 62 & 63.

★ASK YOUR SALES REP FOR A FULL LINE CATALOG OF OUR CRIMP AND STRIPPING TOOLS. IF YOU DON ' T SEE IT PLEASE ASK.



CON 1305

CRIMPS 22-10 GAUGE **INSULATED** TERMINALS AND BUTT CONNECTORS. CRIMPS BOTH WIRE AND INSULATION GRIP IN ONE RATCHING CYCLE.



CON 1322

CRIMPS 22-8 GAUGE **UNINSULATED** RING TERMINALS AND BUTT CONNECTORS. CRIMPS IN ONE RATCHING CYCLE.



AGS CP4

**CONNECTOR PROTECTOR DIELECTRIC GREASE** KEEPS TERMINALS, PLUGS AND SOCKETS FREE FROM CORROSION AND FAILURE. LOCKS OUT MOISTURE. AVOID COSTLY REPAIRS. 4 OZ.TUBE



CON 1308

CRIMPS 22-12 GAUGE **INSULATED** TERMINALS, BEST CRIMP FOR INSULATED FEMALE AND MALE QUICK DISCONNECTS. CRIMPS BOTH WIRE AND INSULATION GRIP IN ONE RATCHING CYCLE.



THO WT-2000

THE **STANDARD MULTI CRIMP & STRIPPING TOOL**. 22 THRU 10 GAUGE INSULATED AND NONINSULATED TERMINALS. WIRE CUTTER IN THE NOSE AND WIRE STRIPPERS IN THE HANDLE.



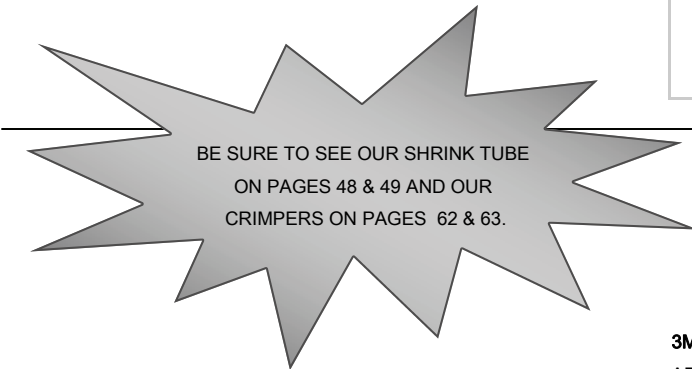
THO WT-112M

THE **STANDARD** IN THE INDUSTRY FOR CRIMPING 22 THRU 10 GAUGE INSULATED AND UNINSULATED TERMINALS. WIRE CUTTER IN THE NOSE.



FLANGED BLOCK SPADES		
WIRE GAUGE	STUD SIZE	NYLON INSULATED DOUBLE CRIMP
22-18	#6	MMM BS-21-6-NB
	#8	MMM BS-21-8-NB
	#10	MMM BS-21-10-NB
16-14	#6	MMM BS-22-6-NB
	#8	MMM BS-22-8-NB
	#10	MMM BS-22-10-NB
12-10	#6	MMM BS-23-6-NB
	#8	MMM BS-23-8-NB
	#10	MMM BS-23-10-NB

SNAP SPADE TERMINALS			
WIRE GAUGE	STUD SIZE	NYLON INSULATED DOUBLE CRIMP	UN-INSULATED BRAZED SEAM
22-18	#6	MMM SS-31-6-NB	MMM SS-31-6-W
	#8	MMM SS-31-8-NB	MMM SS-31-8-W
	#10	MMM SS-31-10-NB	MMM SS-31-10-W
16-14	#6	MMM SS-32-6-NB	MMM SS-32-6-W
	#8	MMM SS-32-8-NB	MMM SS-32-8-W
	#10	MMM SS-32-10-NB	MMM SS-32-10-W
12-10	1/4 "	MMM SS-32-14-NB	MMM SS-32-14-W
	#6	MMM SS-33-6-NB	MMM SS-33-6-W
	#8	MMM SS-33-8-NB	MMM SS-33-8-W
	#10	MMM SS-33-10-NB	MMM SS-33-10-W
	1/4 "	MMM SS-33-14-NB	MMM SS-33-14-W



### 900°F HIGH-TEMPERATURE TERMINALS

3M HIGH TEMPERATURE TERMINALS ARE MADE OF NICKEL PLATED STEEL, RATED TO 900°F ( 482°C ). FOR USE ON STRANDED COPPER WIRE ONLY.



BUTT CONNECTORS	
WIRE GAUGE	PART NUMBER
22-18	MMM HT-61
16-14	MMM HT-62
12-10	MMM HT-63

QUICK DISCONNECTS			
WIRE GAUGE	TAB SIZE	PART NUMBER ( FEMALE )	PART NUMBER ( MALE )
16-14	.187 "	MMM HT-72F-187-20	MMM HT-72M-187-20
	.250 "	MMM HT-72F-250-32	MMM HT-72M-250-32
	.250 "	MMM HT-752-250-32 1/4 " FEMALE FLAG TERMINAL	
	.250 "	MMM HT-14-250-32 OPEN BARREL FEMALE	
12-10	.250 "	MMM HT-10-250-32 OPEN BARREL FEMALE	

RING TERMINALS		
WIRE GAUGE	STUD SIZE	PART NUMBER
16-14	#6	MMM HT-12-6S
	#10	MMM HT-12-10
	1/4 "	MMM HT-12-14
12-10	#6	MMM HT-13-6
	#10	MMM HT-13-10
	1/4 "	MMM HT-13-14
	3/8 "	MMM HT-13-38
8	1/4 "	MMM HT-14-14S

# FEMALE QUICK DISCONNECTS



26-24 GA FEMALE QUICK DISCONNECTS		
TAB SIZE	VINYL INSULATED BRAZED SEAM	UN-INSULATED
.110X.020	MMM 70F-110-20-PB	MMM 70F-110-20
.110X.032	MMM 70F-110-32-PB	MMM 70F-110-32

22-18 GA FEMALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.187X.020	MMM 71F-187-20-NB	MMM 71F-187-20-P	MMM 71F-187-20
.250X.032	MMM 71F-250-32-NB	MMM 71F-250-32-P	MMM 71F-250-32

16-14 GA FEMALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.110X.020	MMM 72F-110-20-NB		
.187X.020	MMM 72F-187-20-NB	MMM 72F-187-20-P	MMM 72F-187-20
.250X.032	MMM 72F-250-32-NB	MMM 72F-250-32-P	MMM 72F-250-32



12-10 GA FEMALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.250X.032	MMM 73F-250-32-NB	MMM 73F-250-32-P	MMM 73F-250-32
.375X.050	MMM 73F-375-50-NB		



# FULLY INSULATED FEMALE QUICK DISCONNECTS



## 26-24 GA FEMALE QUICK DISCONNECTS

TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.110X.020	MMM 70F-110-20-NBL	MMM 70F-110-20-NL



## 22-18 GA FEMALE QUICK DISCONNECTS

TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.187X.020	MMM 71F-187-20-NBL	MMM 71F-187-20-NL
.250X.032	MMM 71F-250-32-NBL	MMM 71F-250-32-NL



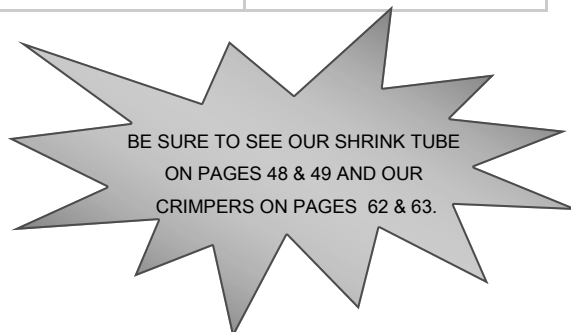
## 16-14 GA FEMALE QUICK DISCONNECTS

TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.187X.020	MMM 72F-187-20-NBL	MMM 72F-187-20-NL
.250X.032	MMM 72F-250-32-NBL	MMM 72F-250-32-NL



## 12-10 GA FEMALE QUICK DISCONNECTS

TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.250X.032	MMM 73F-250-32-NBL	MMM 73F-250-32-NL



# MALE QUICK DISCONNECTS



22-18 GA MALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.187X.020	MMM 71M-187-20-NB	MMM 71M-187-20-P	MMM 71M-187-20
.250X.032	MMM 71M-250-32-NB	MMM 71M-250-32-P	MMM 71M-250-32

16-14 GA MALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.187X.020	MMM 72M-187-20-NB	MMM 72M-187-20-P	MMM 72M-187-20
.250X.032	MMM 72M-250-32-NB	MMM 72M-250-32-P	MMM 72M-250-32

12-10 GA MALE QUICK DISCONNECTS			
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	UN-INSULATED
.250X.032	MMM 73M-250-32-NB	MMM 73M-250-32-P	MMM 73M-250-32

## FULLY INSULATED MALE QUICK DISCONNECTS



22-18 GA MALE QUICK DISCONNECTS		
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.187X.020	MMM 71M-187-20-NBL	MMM 71M-187-20-NL
.250X.032	MMM 71M-250-32-NBL	MMM 71M-250-32-NL

16-14 GA MALE QUICK DISCONNECTS		
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.187X.020	MMM 72M-187-20-NBL	MMM 72M-187-20-NL
.250X.032	MMM 72M-250-32-NBL	MMM 72M-250-32-NL

12-10 GA MALE QUICK DISCONNECTS		
TAB SIZE	NYLON INSULATED DOUBLE CRIMP	NYLON INSULATED FUNNEL ENTRY
.250X.032	MMM 73M-250-32-NBL	MMM 73M-250-32-NL

BE SURE TO SEE OUR SHRINK TUBE  
ON PAGES 48 & 49 AND OUR  
CRIMPERS ON PAGES 62 & 63.

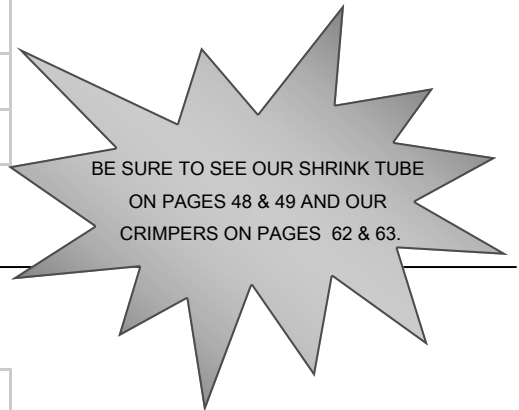
# MOLEX QUICK DISCONNECTS



INSULATED FEMALE QUICK DISCONNECTS		
WIRE SIZE	TAB SIZE	PART NUMBER
22-18	.110 X .020	MOL AA-8131
	.250 X .032	MOL AA-8140
16-14	.110 X .020	MOL BB-8132
	.187 X .020	MOL BB-8138
	.250 X .032	MOL BB-8141
14-12	.250 X .032	MOL P-8142
12-10	.250 X .032	MOL C-8143



FULLY INSULATED FEMALE QUICK DISCONNECTS		
WIRE SIZE	TAB SIZE	PART NUMBER
22-18	.110 X .020	MOL AA-5275
	.187 X .032	MOL AA-5267
	.250 X .032	MOL AA-5261
16-14	.110 X .020	MOL BB-5277
	.187 X .020	MOL BB-5269
	.250 X .032	MOL BB-5263
12-10	.250 X .032	MOL C-5265



FULLY INSULATED MALE QUICK DISCONNECTS		
WIRE SIZE	TAB SIZE	PART NUMBER
22-18	.250 X .032	MOL AA-5260
16-14	.250 X .032	MOL BB-5262
12-10	.250 X .032	MOL C-5264



FEMALE TERMINALS FEMALE TERMINALS FEMALE TERMINALS FEMALE TERMINALS FEMALE TERMINALS

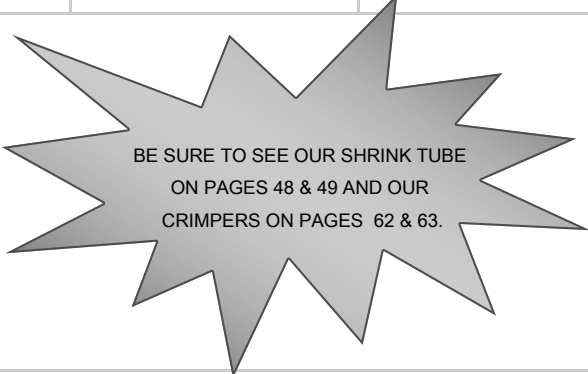
# SPECIALTY TERMINALS



INSULATED FLAG TERMINALS		
WIRE SIZE	SIZE	PART NUMBER
22-18	.250 "	MOL AA-2220
16-14	.187 "	MOL BB-5224
16-14	.250 "	MOL BB-2221
12-10	.250 "	MOL C-2211



UN-INSULATED FLAG TERMINALS		
WIRE SIZE	SIZE	PART NUMBER
22-18	.187 "	MMM 751-187
22-18	.250 "	MMM 751-250
16-14	.187 "	MMM 752-187
16-14	.250 "	MMM 752-250
12-10	.250 "	MMM 754-250



PIGGYBACK QUICK DISCONNECTS				
WIRE SIZE	SIZE	NYLON INSULATED DOUBLE CRIMP	VINYL INSULATED FUNNEL ENTRY	NON-INSULATED
22-18	.250 "	MMM 771-250-NB	MMM 771-250-P	MMM 771-250
16-14	.250 "	MMM 772-250-NB	MMM 772-250-P	MMM 772-250

## QUICK DISCONNECT ADAPTERS .250 "

MMM CA-MMF-250



MMM 77-250



MMM 7MMF-250



# SPECIALTY TERMINALS



## MALE BULLET PLUGS

WIRE SIZE	BULLET SIZE	NYLON INSULATED DOUBLE CRIMP	UN-INSULATED
22-18	.156	MMM 81M-156-NB	MMM 81M-156
	.180	MMM 81M-180-NB	MMM 81M-180
16-14	.156	MMM 82M-156-NB	MMM 82M-156
	.180	MMM 82M-180-NB	MMM 82M-180



## FEMALE BULLET RECEPTACLES

WIRE SIZE	RECEPTACLE SIZE	NYLON INSULATED DOUBLE CRIMP	.156 FEMALE TAP
22-18	.156	MMM 81F-156-NBL	
	.180	MMM 81F-180-NBL	
16-14	.156	MMM 82F-156-NBL	MMM 901
	.180	MMM 82F-180-NBL	



## TRAILER PINS

MMM 81P-47-NB 22-18GA	MMM 82P-47-NB 16-14GA	MMM 83P-55-NB 12-10GA
--------------------------	--------------------------	--------------------------

## SCOTCH-LOCKS



PART NUMBER	WIRE GAUGE	COLOR	SPLICE TYPE
MMM 557	22-16	RED	
MMM 558	22-18	RED	
MMM 560	18-14	BLUE	
MMM 564	18-14	WHITE	
MMM 804	18-14	BLUE WITH SEALANT	
MMM 903	12-10	YELLOW	



MATES WITH 1/4" MALE QUICK DISCONNECTS.  
SEE ON PAGES 26.

## T-TAPS

PART NUMBER	WIRE GAUGE	COLOR
MMM 951K	22-18	RED
MMM 952K	16-14	BLUE
MMM 953K	12-10	YELLOW

# BUTT CONNECTORS



WIRE GAUGE	UN-INSULATED SEAMLESS	VINYL INSULATED FUNNEL ENTRY	NYLON INSULATED SEAMLESS	NYLON INSULATED DOUBLE CRIMP
26-24			MMM 60-SN	
22-18	MMM 61-S	MMM 61-P	MMM 61-SN	MMM 61-NB
16-14	MMM 62-S	MMM 62-P	MMM 62-SN	MMM 62-NB
12-10	MMM 63-S	MMM 63-P	MMM 63-SN	MMM 63-NB



WIRE GAUGE	UN-INSULATED BRAZED SEAM	VINYL INSULATED FUNNEL ENTRY
8	MMM 64-W	MMM 64-WN
6	MMM 65-W	MMM 65-WN
4	MMM 66-W	MMM 66-WN



SEE ALL OF OUR SHRINK TUBE CONNECTORS ON PAGES 31 THRU 43.

BE SURE TO SEE OUR SHRINK TUBE ON PAGES 48 & 49 AND OUR CRIMPERS ON PAGES 62 & 63.

## CLOSED END CONNECTORS & WIRE NUTS



CLOSED END CONNECTORS

WINGED WIRE NUTS

WIRE NUTS

PART NUMBER	WIRE RANGE
MOL NC-2214	22-14 GAUGE
MOL NC-2212	22-12 GAUGE
MOL NC-1610	16-10 GAUGE
MOL NC-8	8 GAUGE

PART NUMBER	WIRE RANGE	COLOR
MOL WWN-451	18-10 GAUGE	YELLOW
MOL WWN-452	18-8 GAUGE	RED
MOL WWN-455	18-8 GAUGE	GREY
MOL WWN-453	14-6 GAUGE	BLUE

PART NUMBER	WIRE RANGE	COLOR
MOL WN-2216	22-16 GAUGE	GREY
MOL WN-2214	22-14 GAUGE	BLUE
MOL WN-1814	22-14 GAUGE	ORANGE
MOL WN-1412	18-12 GAUGE	YELLOW
MOL WN-1410	18-10 GAUGE	RED

★ CLOSED END CONNECTORS AND WIRE NUTS SOLD IN 100, 500, 1000 PACKS.

# STEP-DOWN BUTT CONNECTORS

CONNECT A SMALLER WIRE TO A LARGER WIRE

**NEW VINYL CONNECTORS**

12 AWG Wire

14 AWG Wire



Has two stripes - one on each end - to indicate which wire size to insert, and which crimp die to use

## WHY IS OURS SO MUCH BETTER?

### THEIRS:



The outside diameter of the butt connector is the same on both ends and only the inside diameter is adjusted for the different wire gauge. This means that the side for the smaller wire has a much thicker wall than normal and is extremely difficult to crimp.

**ALMOST IMPOSSIBLE TO CRIMP PROPERLY & WIRE CAN EASILY PULL OUT!!**

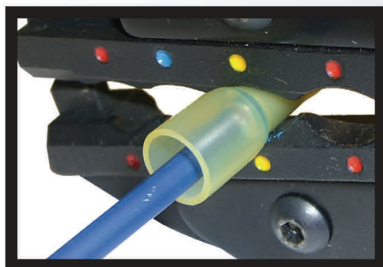
### OURS!



We vary the inside AND the outside diameter of the connector which means that both sides will make a sound mechanical crimp. Also, has a window which allows for visual inspection

**EASY TO CRIMP & PROVIDES STRONG CRIMP TERMINATION!**

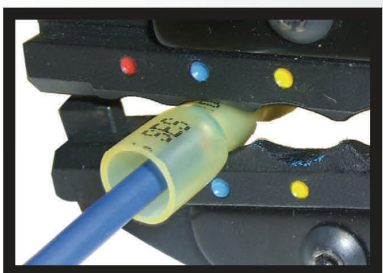
### THEIRS:



Has a color stripe to indicate where the smaller size of wire is inserted. However, it must be crimped in the larger crimp die. For example, on their connector for 14-16 to 10-12 AWG, the BLUE stripe indicates the side where a 14-16 AWG wire is to be inserted. However, it must be crimped in the YELLOW crimp die.

**CONFUSING!**

### OURS!



Has two stripes - one on each end - to indicate which wire size to insert. Plus, the stripe matches the crimp die that needs to be used. For example, the blue stripe indicates the side where a 14 AWG or 16 AWG wire is to be inserted, and it will be crimped in the blue crimp die.

**MAKES SENSE!**

### SEALED CRIMP CONNECTORS



PART #	DESCRIPTION	
KS56-20	22-24 to 18-22 AWG	Red
KS56-16	18-22 to 14-16 AWG	Blue
KS56-14	14-16 to 10-12 AWG	Yellow
KS56-10	10-12 to 8 AWG	Pink

### SEALED CRIMP & SOLDER CONNECTORS



PART #	DESCRIPTION	
ML56-20	22-24 AWG to 18-22 AWG	Red
ML56-16	18-22 AWG to 14-16 AWG	Blue
ML56-14	14-16 AWG to 10-12 AWG	Yellow
ML56-10	10-12 AWG to 8 AWG	Pink

### VINYL CONNECTORS



PART #	DESCRIPTION	
WTV-56-20	24-26 AWG to 18-22 AWG	Red
WTV-56-16	18-22 AWG to 14-16 AWG	Blue
WTV-56-14	14-16 AWG to 10-12 AWG	Yellow
WTV-56-10	10-12 AWG to 8 AWG	Pink

### NON-INSULATED CONNECTORS



PART #	DESCRIPTION	
ML56-20-BP	24-26 AWG to 18-22 AWG	
ML56-16-BP	18-22 AWG to 14-16 AWG	
ML56-14-BP	14-16 AWG to 10-12 AWG	
ML56-10-BP	10-12 AWG to 8 AWG	

# SEALED MULTIPLE WIRE CONNECTORS™

## THE IN-LINE BUTT CONNECTOR COMPONENTS

### THE MULTIPLE WIRE CONNECTOR

#### OTHER'S STEP DOWN CONNECTOR

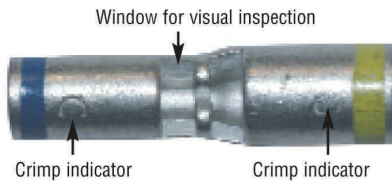


Thick copper wall - Difficult to crimp

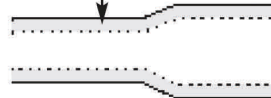


The outside diameter of the butt connector is the same on both ends and only the inside diameter is adjusted for the different wire gauge. This means that the side for the smaller wire has a much thicker wall than normal and is extremely difficult to crimp. **ALMOST IMPOSSIBLE TO CRIMP PROPERLY & WIRE CAN EASILY PULL OUT!!**

#### OUR VERSION



Uniform copper wall - EASY to crimp



The inside AND the outside diameter of the connector is varied which means that both sides will make a sound mechanical crimp.

The barrel has two stripes - one on each end - to indicate which wire size to insert. Plus, the stripe matches the crimp die that needs to be used. For example, the blue stripe indicates the side where a 14 or 16 AWG wire is to be inserted, and it will be crimped in the blue crimp die.

**EASY TO CRIMP & PROVIDES STRONG CRIMP TERMINATION!**

#### ADDITIONAL FEATURES OF THE CRIMP CONNECTOR

- Seamless butt connectors provide superior crimp performance
- Window in butt connectors allows for visual inspection to ensure all wires are fully inserted
- Butt connectors have crimp indicators where the installation tool should be positioned to crimp connector
- Wire-stop in butt connector prevents over-insertion of the wires

#### THE HEAT SHRINK TUBING

- High adhesive-flow polyolefin tubing to seal multiple wires
- Color-coded dash on tubing to indicate the wire gauge for the connector
- Clear tubing to allow for visual inspection



#### PROBLEMS:

##### EXISTING METHODS:



QUICK-TAP



ADDING WIRE



UNSEALED CONNECTOR

#### SOLUTION:

##### SEALED MULTIPLE WIRE CONNECTORS:



IN-LINE CONNECTOR

#### PROBLEMS:

##### EXISTING METHODS:



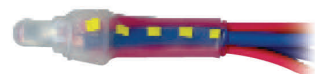
WIRE NUT



END-CAP

#### SOLUTION:

##### SEALED MULTIPLE WIRE CONNECTORS:

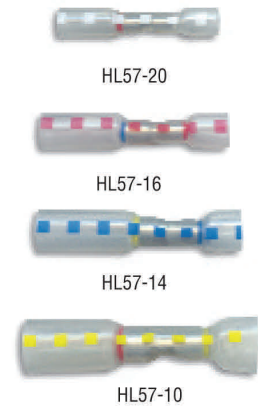
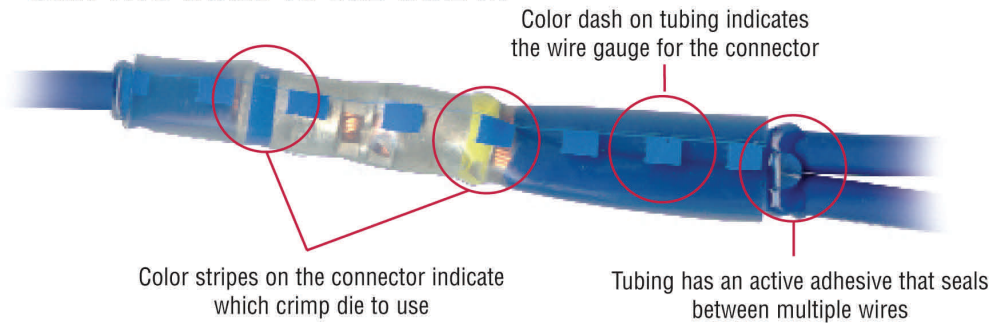


CLOSED-END CONNECTOR



## IN-LINE BUTT CONNECTORS

JOIN TWO WIRES TO ONE WIRE ...



### BUTT CONNECTORS

Part #	Wire Gauge	Tubing Color	Color Stripe On Connector	Wire	Crimp Die (Insulated)
HL57-20	24-22 AWG	Clear / White Dashes	Side 1: White Side 2: Red	One 24-22 AWG Two 24-22 AWG	White (24-22 AWG) Red (20-18 AWG)
HL57-16	20-18 AWG	Clear / Red Dashes	Side 1: Red Side 2: Blue	One 20-18 AWG Two 20-18 AWG	Red (20-18 AWG) Blue (16-14 AWG)
HL57-14	16-14 AWG	Clear / Blue Dashes	Side 1: Blue Side 2: Yellow	One 16-14 AWG Two 16-14 AWG	Blue (16-14 AWG) Yellow (12-10 AWG)
HL57-10	12-10 AWG	Clear / Yellow Dashes	Side 1: Yellow Side 2: Red	One 12-10 AWG Two 12-10 AWG	Yellow (12-10 AWG) Red (8 AWG)

## CLOSED-END CONNECTORS

JOIN TWO TO FOUR WIRES ...

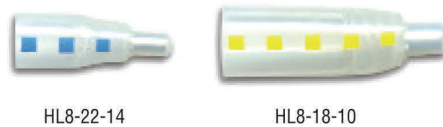
Closed-end connectors are crimped here. In environments where corrosion and/or vibration are a problem, the closed-end connector can be used to replace wire nuts and other similar connectors.



Tubing has an active adhesive that seals multiple wires and eliminates wire pull-out

### CLOSED END CONNECTORS

Part #	Connector Wire Range	Tubing Color
HL8-22-14	22-14 AWG	Clear / Blue Dashes
HL8-18-10	18-10 AWG	Clear / Yellow Dashes



#### NAT T-MT-4E

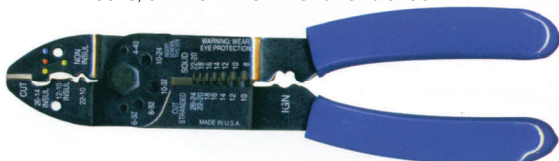
MICRO TORCH

SELF-IGNITING WITH "LOCK-ON" FEATURE

#### NAT T-R-15

MULTI-PURPOSE HAND TOOL

CUTS, CRIMPS AND STRIPS 26 TO 10 GAUGE WIRE



#### NAT T-R-50

4 CRIMP NESTS-8, 10-12, 14-16, 18-22

ENSURES UNIFORM CRIMP TERMINATION REGARDLESS OF USER RELEASE SWITCH IF TERMINAL OR WIRE IS INSERTED IMPROPERLY HIGH QUALITY, ECONOMICAL TOOL

ALIGNMENT GUIDE TO ENSURE DIES WON'T SLIP DURING CRIMPING DESIGNED FOR INSULATED CONNECTORS

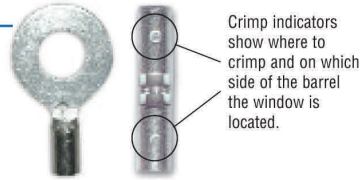
# SEALED CRIMP & SOLDER CONNECTORS™

Sealed Crimp & Solder Connectors are crimped for mechanical reliability, soldered for superior strength and conductivity, and sealed for maximum durability. When there is no margin for error, choose **SEALED CRIMP & SOLDER CONNECTORS...THE ULTIMATE CONNECTOR.**

## THE COMPONENTS

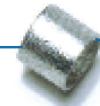
### THE CRIMP CONNECTOR

- Seamless butt connectors for superior crimp performance
- Window in butt connectors allows for visual inspection & solder to flow into
- Butt connectors have crimp indicators where the installation tool should be positioned to crimp the connector
- Wire-stop in butt connector prevents over-insertion of wire
- Where possible, terminals have brazed seams to deliver a superior mechanical termination



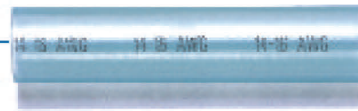
### THE SOLDER

- Flux coating to clean metal surfaces
- Pre-measured solder to provide the right amount of solder to ensure a solid termination
- Low-temp solder alloy for ease of installation

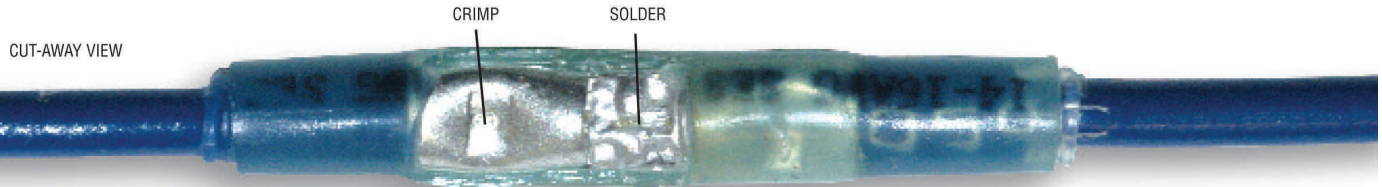


### THE HEAT SHRINK TUBING

- Adhesive-lined polyolefin to seal the connection
- Color-coded with wire gauge imprint for easy wire size identification
- Translucent tubing to allow for visual inspection



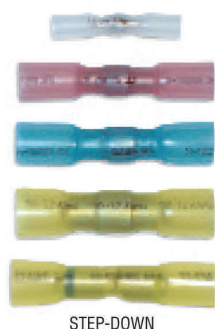
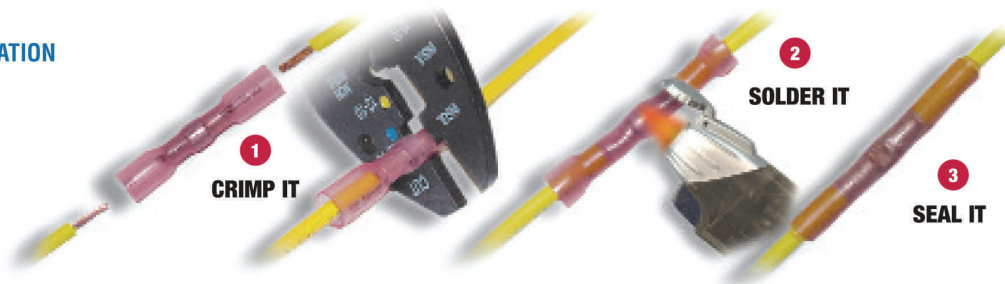
## THE ULTIMATE ELECTRICAL CONNECTION!



## FEATURES & BENEFITS

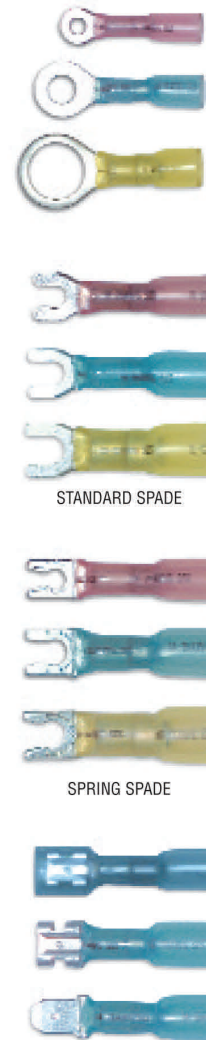
- Crimped for mechanical reliability
- Soldered for superior strength & conductivity
- Sealed for maximum durability
- Sealed Crimp & Solder connections meet or exceed the most stringent OEM standards.

## INSTALLATION



PART #	GAUGE	COLOR	TYPE	SEAM
<b>BUTT CONNECTORS</b>				
ML5-20	22-24 AWG	Clear	Standard	Butted
ML5-16	18-20 AWG	Red	Standard	Seamless
ML5-14	14-16 AWG	Blue	Standard	Seamless
ML5-10	10-12 AWG	Yellow	Standard	Seamless
<b>STEP-DOWN BUTT CONNECTORS</b>				
ML56-20	22-24 AWG to 18-20 AWG	Red	Step-Down	Butted
ML56-16	18-20 AWG to 14-16 AWG	Blue	Step-Down	Seamless
ML56-14	14-16 AWG to 10-12 AWG	Yellow	Step-Down	Seamless
ML56-10	10-12 AWG to 8 AWG	Pink	Step-Down	Seamless

PART #	GAUGE	COLOR	DESCRIPTION	TYPE	SEAM
<b>RING TERMINALS</b>					
ML116-06	18-20 AWG	Red	#6 stud	Standard	Brazed
ML116-08	18-20 AWG	Red	#8 stud	Standard	Brazed
ML116-10	18-20 AWG	Red	#10 stud	Standard	Brazed
ML116-14	18-20 AWG	Red	1/4" stud	Standard	Brazed
ML116-516	18-20 AWG	Red	5/16" stud	Standard	Brazed
ML116-38	18-20 AWG	Red	3/8" stud	Standard	Brazed
ML114-06	14-16 AWG	Blue	#6 stud	Standard	Brazed
ML114-08	14-16 AWG	Blue	#8 stud	Standard	Brazed
ML114-10	14-16 AWG	Blue	#10 stud	Standard	Brazed
ML114-14	14-16 AWG	Blue	1/4" stud	Standard	Brazed
ML114-516	14-16 AWG	Blue	5/16" stud	Standard	Brazed
ML114-38	14-16 AWG	Blue	3/8" stud	Standard	Brazed
ML110-06	10-12 AWG	Yellow	#6 stud	Standard	Brazed
ML110-08	10-12 AWG	Yellow	#8 stud	Standard	Brazed
ML110-10	10-12 AWG	Yellow	#10 stud	Standard	Brazed
ML110-14	10-12 AWG	Yellow	1/4" stud	Standard	Brazed
ML110-516	10-12 AWG	Yellow	5/16" stud	Standard	Brazed
ML110-38	10-12 AWG	Yellow	3/8" stud	Standard	Brazed
ML110-12	10-12 AWG	Yellow	1/2" stud	Standard	Brazed
<b>SPADE TERMINALS</b>					
ML216-06	18-20 AWG	Red	#6 stud	Standard	Brazed
ML216-08	18-20 AWG	Red	#8 stud	Standard	Brazed
ML216-10	18-20 AWG	Red	#10 stud	Standard	Brazed
ML214-06	14-16 AWG	Blue	#6 stud	Standard	Brazed
ML214-08	14-16 AWG	Blue	#8 stud	Standard	Brazed
ML214-10	14-16 AWG	Blue	#10 stud	Standard	Brazed
ML210-06	10-12 AWG	Yellow	#6 stud	Standard	Brazed
ML210-08	10-12 AWG	Yellow	#8 stud	Standard	Brazed
ML210-10	10-12 AWG	Yellow	#10 stud	Standard	Brazed
ML316S-06	18-20 AWG	Red	#6 stud	Spring Spade	Butted
ML316S-08	18-20 AWG	Red	#8 stud	Spring Spade	Butted
ML316S-10	18-20 AWG	Red	#10 stud	Spring Spade	Butted
ML314S-06	14-16 AWG	Blue	#6 stud	Spring Spade	Butted
ML314S-08	14-16 AWG	Blue	#8 stud	Spring Spade	Butted
ML314S-10	14-16 AWG	Blue	#10 stud	Spring Spade	Butted
ML310S-06	10-12 AWG	Yellow	#6 stud	Spring Spade	Butted
ML310S-08	10-12 AWG	Yellow	#8 stud	Spring Spade	Butted
ML310S-10	10-12 AWG	Yellow	#10 stud	Spring Spade	Butted
<b>SLIP-ON CONNECTORS</b>					
ML6-18-250F	18-20 AWG	Red	Female .250" tab	Standard	Butted
ML6-18-250FF	18-20 AWG	Red	Female .250" tab	Fully Insulated	Butted
ML6-18-250M	18-20 AWG	Red	Male .250" tab	Standard	Butted
ML6-14-250F	14-16 AWG	Blue	Female .250" tab	Standard	Butted
ML6-14-250FF	14-16 AWG	Blue	Female .250" tab	Fully Insulated	Butted
ML6-14-250M	14-16 AWG	Blue	Male .250" tab	Standard	Butted
ML6-10-250F	10-12 AWG	Yellow	Female .250" tab	Standard	Butted
ML6-10-250FF	10-12 AWG	Yellow	Female .250" tab	Fully Insulated	Butted
ML6-10-250M	10-12 AWG	Yellow	Male .250" tab	Standard	Butted



STANDARD SPADE

SPRING SPADE

## SEALED CRIMP & SOLDER ASSORTMENTS

### MINI ASSORTMENTS



**NSPA-9117**  
3 Items • 60 Pieces



**NSPA-5117**  
4 Items • 61 Pieces



**NSPA-5117-T**  
5 Items • 62 Pieces



**NSPA-5203**  
20 Items • 120 Pieces



**NSPA-5204**  
14 Items • 90 Pieces

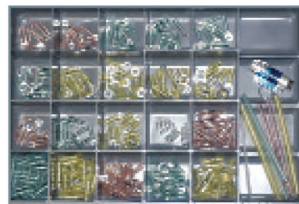


**NSPA-5204-T**  
15 Items • 91 Pieces

### MAINTENANCE ASSORTMENTS



**NSPA-1203** • 24 Items • 285 Pieces



**NSPA-1204** • 28 Items • 284 Pieces



**NSPA-1204-T** • 29 Items • 285 Pieces

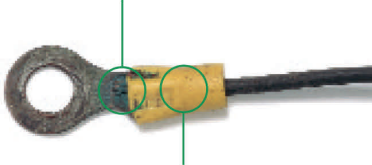
# SEALED SOLDER CONNECTORS™

Sealed Solder Connectors are the clear choice of professionals who demand a superior electrical connection. Sealed Solder Connectors provide a high quality, sealed solder connection that takes the guesswork out of soldering. **DON'T SETTLE FOR THE AVERAGE CONNECTOR...SEALED SOLDER CONNECTORS ARE THE BEST SOLDER CONNECTORS AVAILABLE!**

## REDUCE RECURRING ELECTRICAL PROBLEMS

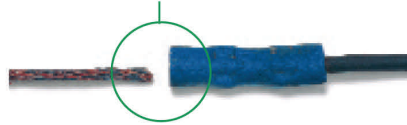
### PROBLEMS:

Corrosion on wire causes voltage drop.



Cannot see whether terminal is properly installed.

Wire pulled loose due to strain or vibration.



Standard terminal thickness (Red & Blue)



.032" thickness

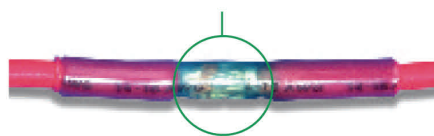
### SOLUTIONS:

Adhesive-lined tubing prevents corrosion on the wire.



Translucent tubing allows visual inspection of installation.

Solder termination provides maximum tensile strength & conductivity



Greater material thickness of terminal bare part - 25% more copper



.040" thickness

THE CLEAR CHOICE OF PROFESSIONALS THAT DEMAND

## A SUPERIOR ELECTRICAL CONNECTION!



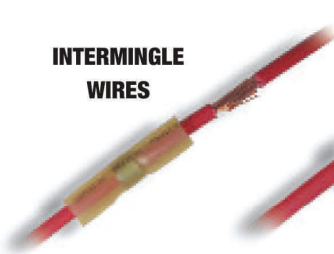
CUT-AWAY VIEW

### FEATURES AND BENEFITS

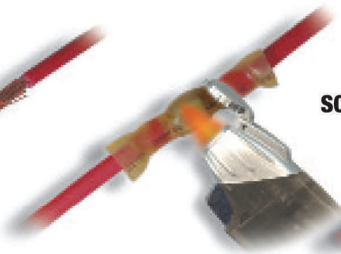
- Translucent, adhesive-lined polyolefin tubing allows visual inspection, prevents wire corrosion, and provides a waterproof seal.
- Easy installation with pre-measured solder takes the guesswork out of the soldering process.
- A soldered electrical connection provides superior current flow and tensile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

### INSTALLATION

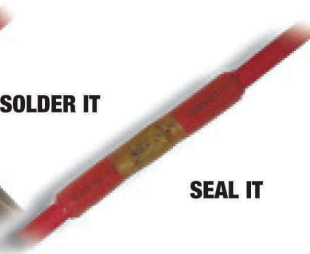
INTERMINGLE  
WIRES



SOLDER IT



SEAL IT



UL RECOGNIZED PARTS



CSA CERTIFIED PARTS



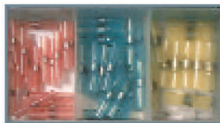
Ask us for a complete list of applicable part numbers.

PART #	GAUGE	COLOR	DESCRIPTION	TYPE
<b>BUTT CONNECTORS</b>				
ELA5-20	22-24 AWG	Clear		Standard
ELA5-16	18-20 AWG	Red		Standard
ELA5-14	14-16 AWG	Blue		Standard
ELA5-10	10-12 AWG	Yellow		Standard
<b>RING TERMINALS</b>				
ELA120-02X	22-24 AWG	Clear	#2 Stud	Standard
ELA120-04X	22-24 AWG	Clear	#4 Stud	Standard
ELA120-06X	22-24 AWG	Clear	#6 Stud	Standard
ELA116-06X	18-20 AWG	Red	#6 Stud	Standard
ELA116-08X	18-20 AWG	Red	#8 Stud	Standard
ELA116-10X	18-20 AWG	Red	#10 Stud	Standard
ELA116-14X	18-20 AWG	Red	1/4" Stud	Standard
ELA116-516X	18-20 AWG	Red	5/16" Stud	Standard
ELA116-38X	18-20 AWG	Red	3/8" Stud	Standard
ELA114-06X	14-16 AWG	Blue	#6 Stud	Standard
ELA114-08X	14-16 AWG	Blue	#8 Stud	Standard
ELA114-10X	14-16 AWG	Blue	#10 Stud	Standard
ELA114-14X	14-16 AWG	Blue	1/4" Stud	Standard
ELA114-516X	14-16 AWG	Blue	5/16" Stud	Standard
ELA114-38X	14-16 AWG	Blue	3/8" Stud	Standard
ELA110-10X	10-12 AWG	Yellow	#10 Stud	Standard
ELA110-14X	10-12 AWG	Yellow	1/4" Stud	Standard
ELA110-516X	10-12 AWG	Yellow	5/16" Stud	Standard
ELA110-38X	10-12 AWG	Yellow	3/8" Stud	Standard
ELA110-12X	10-12 AWG	Yellow	1/2" Stud	Standard
<b>SPADE TERMINALS</b>				
ELA220-02X	22-24 AWG	Clear	#2 Stud	Standard
ELA220-04X	22-24 AWG	Clear	#4 Stud	Standard
ELA220-06X	22-24 AWG	Clear	#6 Stud	Standard
ELA216-10X	18-20 AWG	Red	#10 Stud	Standard
ELA214-10X	14-16 AWG	Blue	#10 Stud	Standard
ELA210-10X	10-12 AWG	Yellow	#10 Stud	Standard
<b>SLIP-ON CONNECTORS</b>				
ELA6-18F	18-20 AWG	Red	.250" Female	Standard
ELA6-18M	18-20 AWG	Red	.250" Male	Standard
ELA6-14F	14-16 AWG	Blue	.250" Female	Standard
ELA6-14M	14-16 AWG	Blue	.250" Male	Standard
ELA6-10F	10-12 AWG	Yellow	.250" Female	Standard
ELA6-10M	10-12 AWG	Yellow	.250" Male	Standard
<b>FULLY INSULATED SLIP-ON CONNECTORS</b>				
ELA6-18FF	18-20 AWG	Red	.250" Female	Fully Insulated
ELA6-14FF	14-16 AWG	Blue	.250" Female	Fully Insulated
ELA6-10FF	10-12 AWG	Yellow	.250" Female	Fully Insulated



## SEALED SOLDER ASSORTMENTS

### MINI ASSORTMENTS



**NSPA-9112**  
4 Items • 65 Pieces



**NSPA-9113**  
8 Items • 48 Pieces

### STARTER ASSORTMENTS



**NSPA-5112**  
25 Items • 135 Pieces



**NSPA-5114**  
13 Items • 121 Pieces

### MAINTENANCE ASSORTMENTS



**NSPA-1112-S**  
30 Items • 259 Pieces



**NSPA-1112-ST**  
31 Items • 260 Pieces



**NSPA-1112-L**  
30 Items • 379 Pieces



**NSPA-1112-LT**  
31 Items • 380 Pieces

# SEALED CRIMP CONNECTORS™

Our Sealed Crimp Connector product line is the finest line of "crimp-and-seal" connectors on the market today. New design features, the use of only the finest components, and an expanded product selection place Sealed Crimp Connectors squarely at the top of the class. **IN SHORT...THE BEST JUST GOT BETTER!**

## DIFFERENCES BETWEEN BUTTED, BRAZED & SEAMLESS CONNECTORS

### BUTTED SEAM CONNECTORS

Formed when metal is stamped, rolled, and butted to create the connector barrel. Should only be used with stranded wire and must be crimped in the proper place to avoid opening the seam.

### BRAZED SEAM CONNECTORS

Formed much like a butted seam, except the seam is brazed together with a solder alloy. May be used with a solid & stranded wire and can be crimped on any side of the barrel without opening the seam.

### SEAMLESS CONNECTORS

Generally only available for a butt connector or splice. The barrel is created from one seamless piece of metal. This eliminates problem of the barrel opening. May be used with a solid & stranded wire.

### BRAZED SEAM & SEAMLESS CONNECTOR ADVANTAGES

- Better wire contact
- Superior tensile strength
- Less voltage drop
- Prevents wiring failures
- Increases current flow
- Reduces equipment downtime



**BUTTED SEAM**



**BRAZED SEAM**

## COMPARISONS



**OUR UNIFORM ADHESIVE FLOW**  
Adhesive will not impede contact of terminal

**VS.**



**THEIR RUNNY ADHESIVE FLOW**  
Adhesive can impede contact of terminal



**OUR TUBING DOES NOT SHRINK IN LENGTH**  
Additional insulation support  
Additional strain relief

**VS.**



**THEIR TUBING SHRINKS IN LENGTH**  
Less insulation support  
Less strain relief



**OUR WIRE GAUGE IMPRINT**  
Easy identification

**VS.**



**THEIR NO WIRE GAUGE IMPRINT**  
Easy identification

## FEATURES & BENEFITS

- Translucent, adhesive-lined polyolefin tubing allows visual inspection, prevents wire corrosion, and provides a waterproof seal.
- Conforms to automotive manufacturers' specifications for wiring repairs, necessary for maintaining electrical warranties.
- Seamless butt connectors & brazed seam rings and spades prevent opening of connector barrel.
- Color-coded tubing with wire gauge imprint provides easy identification of the correct part for the job.
- A selection of over 140 sizes of connectors ensures the right part for every application.

## INSTALLATION



UL LISTED PARTS



CSA CERTIFIED PARTS



Ask us for a complete list of applicable part numbers.

# SEALED CRIMP CONNECTORS™

Sealed for Quality

PART #	GAUGE	COLOR	DESCRIPTION	TYPE	SEAM
<b>BUTT CONNECTORS</b>					
KS5-20	22-24 AWG	Clear	Standard	Standard	Butted
KS5-16	18-20 AWG	Red	Standard	Standard	Seamless
KS5-14	14-16 AWG	Blue	Standard	Standard	Seamless
KS5-10	10-12 AWG	Yellow	Standard	Standard	Seamless
KS5-08	8 AWG	Pink	Standard	Standard	Brazed
<b>"OLD SCHOOL" BUTT CONNECTORS</b>					
KS5-16-CLN	18-22 AWG	Red	Nylon Insulated w/clear adhesive tubing		Seamless
KS5-14-CLN	14-16 AWG	Blue	Nylon Insulated w/clear adhesive tubing		Seamless
KS5-10-CLN	10-12 AWG	Yellow	Nylon Insulated w/clear adhesive tubing		Seamless
<b>WINDOW BUTT CONNECTORS</b>					
KS55-16	18-20 AWG	Red		Window	Seamless
KS55-14	14-16 AWG	Blue		Window	Seamless
KS55-10	10-12 AWG	Yellow		Window	Seamless
<b>STEP-DOWN BUTT CONNECTORS</b>					
KS56-20	22-24 to 18-20 AWG	Clear	Tapered	Step-down	Seamless
KS56-16	18-20 to 14-16 AWG	Blue	Tapered	Step-down	Seamless
KS56-14	14-16 to 10-12 AWG	Yellow	Tapered	Step-down	Seamless
KS56-10	10-12 to 8 AWG	Pink	Tapered	Step-down	Seamless
<b>RING TERMINALS</b>					
KS120-04	22-24 AWG	Clear	#4 stud	Standard	Butted
KS120-06	22-24 AWG	Clear	#6 stud	Standard	Butted
KS116-06	18-20 AWG	Red	#6 stud	Standard	Brazed
KS116-08	18-20 AWG	Red	#8 stud	Standard	Brazed
KS116-10	18-20 AWG	Red	#10 stud	Standard	Brazed
KS116-14	18-20 AWG	Red	1/4" stud	Standard	Brazed
KS116-516	18-20 AWG	Red	5/16" stud	Standard	Brazed
KS116-38	18-20 AWG	Red	3/8" stud	Standard	Brazed
KS114-06	14-16 AWG	Blue	#6 stud	Standard	Brazed
KS114-08	14-16 AWG	Blue	#8 stud	Standard	Brazed
KS114-10	14-16 AWG	Blue	#10 stud	Standard	Brazed
KS114-14	14-16 AWG	Blue	1/4" stud	Standard	Brazed
KS114-516	14-16 AWG	Blue	5/16" stud	Standard	Brazed
KS114-38	14-16 AWG	Blue	3/8" stud	Standard	Brazed
KS110-06	10-12 AWG	Yellow	#6 stud	Standard	Brazed
KS110-08	10-12 AWG	Yellow	#8 stud	Standard	Brazed
KS110-10	10-12 AWG	Yellow	#10 stud	Standard	Brazed
KS110-14	10-12 AWG	Yellow	1/4" stud	Standard	Brazed
KS110-516	10-12 AWG	Yellow	5/16" stud	Standard	Brazed
KS110-38	10-12 AWG	Yellow	3/8" stud	Standard	Brazed
KS110-12	10-12 AWG	Yellow	1/2" stud	Standard	Brazed
KS108-10	8 AWG	Pink	#10 stud	Standard	Brazed
KS108-14	8 AWG	Pink	1/4" stud	Standard	Brazed
KS108-516	8 AWG	Pink	5/16" stud	Standard	Brazed
KS108-38	8 AWG	Pink	3/8" stud	Standard	Brazed
KS108-12	8 AWG	Pink	1/2" stud	Standard	Brazed
KS108L-10	8 AWG	Pink	#10 stud	Lug Style	Seamless
KS108L-14	8 AWG	Pink	1/4" stud	Lug Style	Seamless
KS108L-516	8 AWG	Pink	5/16" stud	Lug Style	Seamless
KS108L-38	8 AWG	Pink	3/8" stud	Lug Style	Seamless
KS108L-12	8 AWG	Pink	1/2" stud	Lug Style	Seamless
<b>3-WAY BUTT CONNECTORS &amp; 4-WAY BUTT CONNECTORS</b>					
KS53-16	18-20 AWG	Red	Standard	Three-way	Brazed
KS53-14	14-16 AWG	Blue	Standard	Three-way	Brazed
KS53-10	10-12 AWG	Yellow	Standard	Three-way	Brazed
KS54-16	18-20 AWG	Red	Standard	Four-way	Brazed
KS54-14	14-16 AWG	Blue	Standard	Four-way	Brazed
KS54-10	10-12 AWG	Yellow	Standard	Four-way	Brazed
<b>MULTI-STUD TERMINALS</b>					
KS116-MS	18-20 AWG	Red	#6, 8, & 10 stud	Standard	Brazed
KS114-MS	14-16 AWG	Blue	#6, 8, & 10 stud	Standard	Brazed
<b>HOOK TERMINALS</b>					
KS414-10	14-16 AWG	Blue	#10 stud	Standard	Brazed



LUG STYLE



# SEALED CRIMP CONNECTORS™

CRIMP & SHRINK CONNECTORS CRIMP & SHRINK CONNECTORS CRIMP & SHRINK CONNECTORS CRIMP & SHRINK CONNECTORS



FLANGED SPADE



SPRING SPADE



2 HUMPS STYLE



3M STYLE



PART #	GAUGE	COLOR	DESCRIPTION	TYPE	SEAM
<b>SPADE TERMINALS</b>					
KS220-04	22-24 AWG	Clear	#4 stud	Standard	Butted
KS220-06	22-24 AWG	Clear	#6 stud	Standard	Butted
KS216-06	18-20 AWG	Red	#6 stud	Standard	Brazed
KS216-08	18-20 AWG	Red	#8 stud	Standard	Brazed
KS216-10	18-20 AWG	Red	#10 stud	Standard	Brazed
KS214-06	14-16 AWG	Blue	#6 stud	Standard	Brazed
KS214-08	14-16 AWG	Blue	#8 stud	Standard	Brazed
KS214-10	14-16 AWG	Blue	#10 stud	Standard	Brazed
KS210-06	10-12 AWG	Yellow	#6 stud	Standard	Brazed
KS210-08	10-12 AWG	Yellow	#8 stud	Standard	Brazed
KS210-10	10-12 AWG	Yellow	#10 stud	Standard	Brazed
KS210-14	10-12 AWG	Yellow	1/4" stud	Standard	Brazed
KS316-06	18-20 AWG	Red	#6 stud	Flanged Spade	Brazed
KS316-08	18-20 AWG	Red	#8 stud	Flanged Spade	Brazed
KS316-10	18-20 AWG	Red	#10 stud	Flanged Spade	Brazed
KS314-06	14-16 AWG	Blue	#6 stud	Flanged Spade	Brazed
KS314-08	14-16 AWG	Blue	#8 stud	Flanged Spade	Brazed
KS314-10	14-16 AWG	Blue	#10 stud	Flanged Spade	Brazed
KS310-06	10-12 AWG	Yellow	#6 stud	Flanged Spade	Brazed
KS310-08	10-12 AWG	Yellow	#8 stud	Flanged Spade	Brazed
KS310-10	10-12 AWG	Yellow	#10 stud	Flanged Spade	Brazed
KS316S-06	18-20 AWG	Red	#6 stud	Spring Spade	Butted
KS316S-08	18-20 AWG	Red	#8 stud	Spring Spade	Butted
KS316S-10	18-20 AWG	Red	#10 stud	Spring Spade	Butted
KS314S-06	14-16 AWG	Blue	#6 stud	Spring Spade	Butted
KS314S-08	14-16 AWG	Blue	#8 stud	Spring Spade	Butted
KS314S-10	14-16 AWG	Blue	#10 stud	Spring Spade	Butted
KS310S-06	10-12 AWG	Yellow	#6 stud	Spring Spade	Butted
KS310S-08	10-12 AWG	Yellow	#8 stud	Spring Spade	Butted
KS310S-10	10-12 AWG	Yellow	#10 stud	Spring Spade	Butted
<b>SLIP-ON CONNECTORS</b>					
KS6-18-110F	18-20 AWG	Red	female .110" tab	Standard	Butted
KS6-18-110M	18-20 AWG	Red	male .110" tab	Standard	Butted
KS6-18-187F	18-20 AWG	Red	female .187" tab	Standard	Butted
KS6-18-187M	18-20 AWG	Red	male .187" tab	Standard	Butted
KS6-18-250F	18-20 AWG	Red	female .250" tab	Standard	Butted
KS6-18-250M	18-20 AWG	Red	male .250" tab	Standard	Butted
KS6-14-110F	14-16 AWG	Blue	female .110" tab	Standard	Butted
KS6-14-110M	14-16 AWG	Blue	male .110" tab	Standard	Butted
KS6-14-187F	14-16 AWG	Blue	female .187" tab	Standard	Butted
KS6-14-187M	14-16 AWG	Blue	male .187" tab	Standard	Butted
KS6-14-250F	14-16 AWG	Blue	female .250" tab	Standard	Butted
KS6-14-250M	14-16 AWG	Blue	male .250" tab	Standard	Butted
KS6-10-250F	10-12 AWG	Yellow	female .250" tab	Standard	Butted
KS6-10-250M	10-12 AWG	Yellow	male .250" tab	Standard	Butted
<b>FULLY-INSULATED SLIP-ON CONNECTORS</b>					
KS66-18-110F	18-20 AWG	Red	female .110" tab	2 Hump	Butted
KS66-18-187F	18-20 AWG	Red	female .187" tab	1 Hump	Butted
KS66-18-187M	18-20 AWG	Red	male .187" tab	1 Hump	Butted
KS66-18-250F	18-20 AWG	Red	female .250" tab	2 Hump	Butted
KS66-18-250M	18-20 AWG	Red	male .250" tab	2 Hump	Butted
KS66-14-110F	14-16 AWG	Blue	female .110" tab	2 Hump	Butted
KS66-14-187F	14-16 AWG	Blue	female .187" tab	1 Hump	Butted
KS66-14-187M	14-16 AWG	Blue	male .187" tab	1 Hump	Butted
KS66-14-250F	14-16 AWG	Blue	female .250" tab	2 Hump	Butted
KS66-14-250M	14-16 AWG	Blue	male .250" tab	2 Hump	Butted
KS66-10-250F	10-12 AWG	Yellow	female .250" tab	2 Hump	Butted
KS66-10-250M	10-12 AWG	Yellow	male .250" tab	2 Hump	Butted
KS67-18-250F	18-20 AWG	Red	female .250" tab	3M Style	Butted
KS67-18-250M	18-20 AWG	Red	male .250" tab	3M Style	Butted
KS67-14-250F	14-16 AWG	Blue	female .250" tab	3M Style	Butted
KS67-14-250M	14-16 AWG	Blue	male .250" tab	3M Style	Butted
KS67-10-250F	10-12 AWG	Yellow	female .250" tab	3M Style	Butted
KS67-10-250M	10-12 AWG	Yellow	male .250" tab	3M Style	Butted



# SEALED CRIMP CONNECTORS™

Sealed for Quality

PART #	GAUGE	COLOR	DESCRIPTION	TYPE	SEAM
<b>FULLY-INSULATED SLIP-ON CONNECTORS (cont.)</b>					
KS60-18-250F	18-20 AWG	Red	female .250" tab	Molex Style	Butted
KS60-18-250M	18-20 AWG	Red	male .250" tab	Molex Style	Butted
KS60-14-250F	14-16 AWG	Blue	female .250" tab	Molex Style	Butted
KS60-14-250M	14-16 AWG	Blue	male .250" tab	Molex Style	Butted
KS60-10-250F	10-12 AWG	Yellow	female .250" tab	Molex Style	Butted
KS60-10-250M	10-12 AWG	Yellow	male .250" tab	Molex Style	Butted
KS61-18-250F	18-20 AWG	Red	female .250" tab	Sure Crimp Style	Butted
KS61-18-250M	18-20 AWG	Red	male .250" tab	Sure Crimp Style	Butted
KS61-14-250F	14-16 AWG	Blue	female .250" tab	Sure Crimp Style	Butted
KS61-14-250M	14-16 AWG	Blue	male .250" tab	Sure Crimp Style	Butted
KS61-10-250F	10-12 AWG	Yellow	female .250" tab	Sure Crimp Style	Butted
KS61-10-250M	10-12 AWG	Yellow	male .250" tab	Sure Crimp Style	Butted
<b>BULLET PLUGS</b>					
KS7-18-15M	18-20 AWG	Red	.157" plug	Standard	Butted
KS7-18-17M	18-20 AWG	Red	.176" plug	Standard	Butted
KS7-18-18M	18-20 AWG	Red	.180" plug	Standard	Butted
KS7-14-15M	14-16 AWG	Blue	.157" plug	Standard	Butted
KS7-14-17M	14-16 AWG	Blue	.176" plug	Standard	Butted
KS7-14-18M	14-16 AWG	Blue	.180" plug	Standard	Butted
<b>BULLET RECEPTACLES</b>					
KS7-18-15F	18-20 AWG	Red	.157" receptacle	Standard	Butted
KS7-18-17F	18-20 AWG	Red	.176" receptacle	Standard	Butted
KS7-18-18F	18-20 AWG	Red	.180" receptacle	Standard	Butted
KS7-14-15F	14-16 AWG	Blue	.157" receptacle	Standard	Butted
KS7-14-17F	14-16 AWG	Blue	.176" receptacle	Standard	Butted
KS7-14-18F	14-16 AWG	Blue	.180" receptacle	Standard	Butted



MOLEX STYLE



SURE CRIMP STYLE



## SEALED CRIMP ASSORTMENTS

### MINI ASSORTMENTS

### STARTER ASSORTMENTS



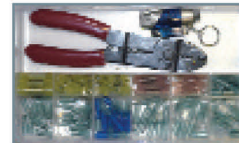
**NSPA-9002**  
3 Items • 60 Pieces



**NSPA-5002**  
20 Items • 115 Pieces



**NSPA-5003**  
13 Items • 121 Pieces



**NSPA-5003-T**  
14 Items • 122 Pieces



**NSPA-5003-UL**  
14 Items • 122 Pieces

### MAINTENANCE ASSORTMENTS



**NSPA-1002**  
31 Items • 320 Pieces



**NSPA-1003**  
29 Items • 286 Pieces



**NSPA-1003-T**  
30 Items • 287 Pieces



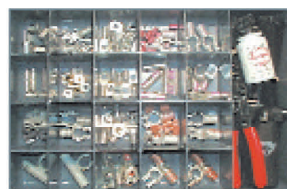
**NSPA-1003-UL**  
30 Items • 287 Pieces



**NSPA-1130**  
17 Items • 306 Pieces



**NSPA-1184**  
37 Items • 418 Pieces



**NSPA-1185**  
70 Items • 656 Pieces



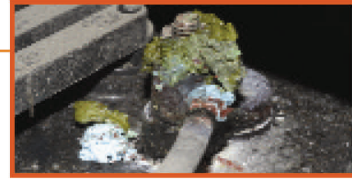
**NSPA-1185**  
Tray 2

# SEALED SOLDER SYSTEM FOR BATTERY TERMINALS™

Our Sealed Solder System for Battery Terminals product line is the innovative solution for soldering cable terminations. Pre-measured solder pellets and adhesive-lined heat shrink tubing combine to provide maximum conductivity and a corrosion-proof seal. The result is a high quality termination without the need for expensive crimping tools.

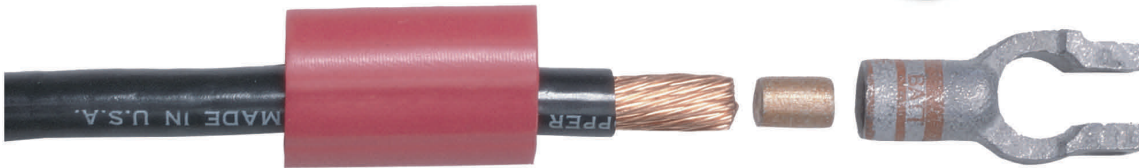
## FREQUENT PROBLEMS IN BATTERY CABLE CONNECTIONS:

- Improperly installed connectors
- Voltage drop
- Vibration damage
- Corrosion in cable



## THE SEALED SOLDER SYSTEM FOR BATTERY TERMINALS SOLUTION:

- Easily installed termination system
- Soldered connections for maximum conductivity
- Superior tensile strength from a soldered bond
- Adhesive-lined tubing prevents cable corrosion



## FEATURES AND BENEFITS:

- Color-coded solder pellets conform to industry standards & ensure correct product identification.
- Pre-measured solder pellets assure the right amount of solder will be used in each connection.
- Flux core and "No-Clean" liquid flux prevent dirt and contaminants from hindering the soldering process.
- Color-coded, pre-cut lengths of heat shrink tubing provide positive designation of polarity and make installation easy.
- Installation requires only standard shop tools which eliminates the need for an expensive crimping tool.

## NO EXPENSIVE TOOLS NEEDED

- Can be installed using only a standard propane shop torch and a utility knife
- No need to purchase an expensive crimping tool



## REQUIRES NO SPECIAL CONNECTORS

- Works with any brand of closed-end battery terminals or starter lugs
- Use with your current inventory - no need to purchase special "Solder-Only" connectors
- The least expensive method of obtaining a high quality soldered and sealed connection



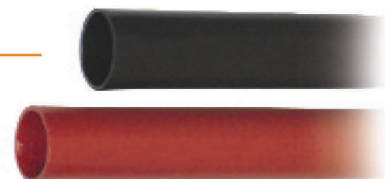
## SOLDER PELLETS

- Pre-measured to assure the right amount of solder
- Color-coded to industry standards to ensure correct product identification
- Flux core prevents dirt and contaminants from hindering the soldering process



## HEAVY WALL ADHESIVE-LINED HEAT SHRINK TUBING

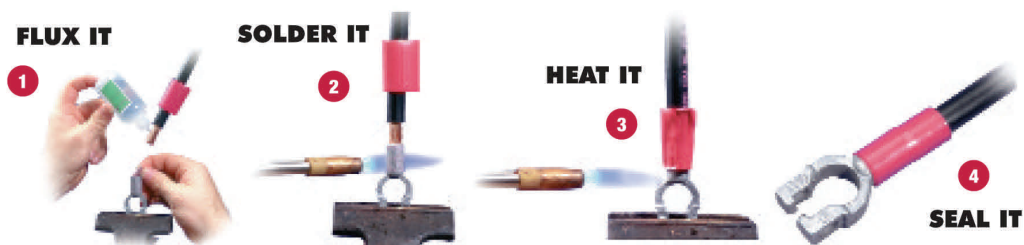
- Color-coded for positive identification of polarity
- Pre-cut to the proper length for ease of installation
- Adhesive-lined to provide a permanent seal against corrosion



PART #	GAUGE	COLOR	DESCRIPTION
<b>SOLDER PELLETS</b>			
CL-6	6 AWG	Grey	
CL-4	4 AWG	Grey	
CL-2	2 AWG	Green	
CL-1	1 AWG	Pink	
CL-1-0	1/0 AWG	Black	
CL-2-0	2/0 AWG	Orange	
CL-3-0	3/0 AWG	Purple	
CL-4-0	4/0 AWG	Yellow	
<b>HEAVY WALL ADHESIVE-LINED HEAT SHRINK TUBING</b>			
HST857B-1.5	6 AWG	Black	1-1/2" Length .50" ID
HST857R-1.5	6 AWG	Red	1-1/2" Length .50" ID
HST858B-1.5	4-1/0 AWG	Black	1-1/2" Length .75" ID
HST858R-1.5	4-1/0 AWG	Red	1-1/2" Length .75" ID
HST859B-2	2/0-4/0 AWG	Black	2" Length 1.10" ID
HST859R-2	2/0-4/0 AWG	Red	2" Length 1.10" ID
<b>LIQUID FLUX</b>			
CL-FLUX	"No-Clean" Liquid Flux		2 oz. bottle



## INSTALLATION



## SEALED SOLDER SYSTEM FOR BATTERY TERMINALS ASSORTMENTS

### MINI ASSORTMENTS



**NSPA-5111**  
15 Items • 53 Pieces

### MAINTENANCE ASSORTMENTS



**NSPA-1111** • 16 Items • 127 Pieces

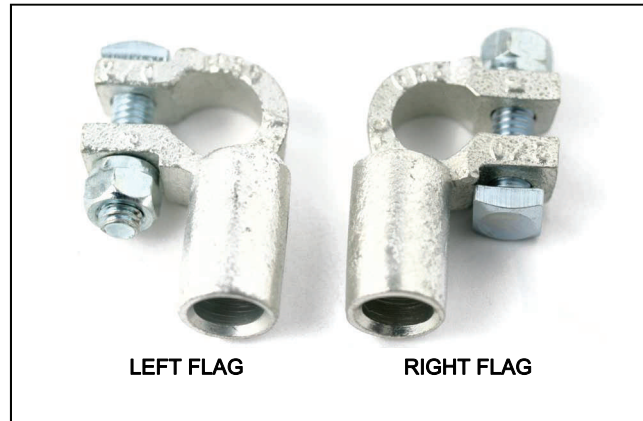
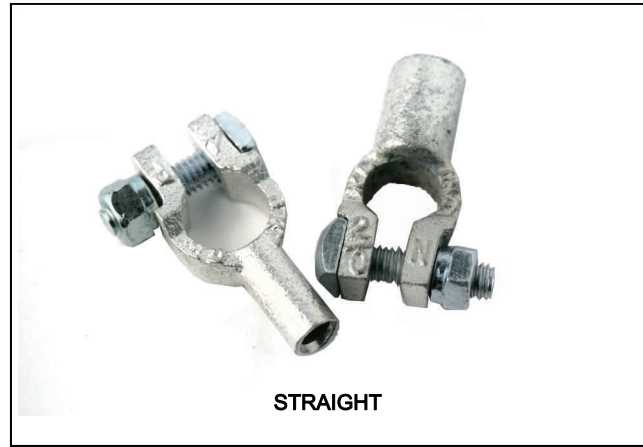


**NSPA-1204-T** • 29 Items • 285 Pieces

# BATTERY TERMINALS

## STANDARD TOP POST

PART NUMBER	CABLE SIZE	TERMINAL TYPE
LAR BT-6-CTU	6	UNIVERSAL
LAR BT-4-CTN	4	NEGATIVE
LAR BT-4-CTP	4	POSITIVE
LAR BT-4-CTU	4	UNIVERSAL
LAR BT-1-CTN	1&2	NEGATIVE
LAR BT-1-CTP	1&2	POSITIVE
LAR BT-1/0-CTN	1/0	NEGATIVE
LAR BT-1/0-CTP	1/0	POSITIVE
LAR BT-2/0-CTN	2/0	NEGATIVE
LAR BT-2/0-CTP	2/0	POSITIVE
LAR BT-3/0-CTN	3/0	NEGATIVE
LAR BT-3/0-CTP	3/0	POSITIVE
LAR BT-4/0-CTN	4/0	NEGATIVE
LAR BT-4/0-CTP	4/0	POSITIVE



## FLAG TOP POST

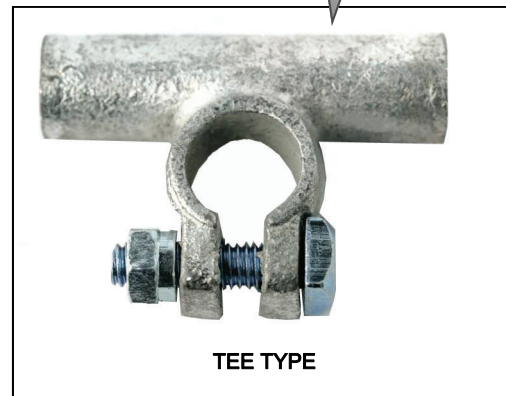
LEFT FLAG	CABLE SIZE	RIGHT FLAG	TERMINAL TYPE
LAR BT-1/0-CTLN	1/0	LAR BT-1/0-CTRN	NEGATIVE
LAR BT-1/0-CTLP	1/0	LAR BT-1/0-CTRP	POSITIVE
LAR BT-2/0-CTLN	2/0	LAR BT-2/0-CTRN	NEGATIVE
LAR BT-2/0-CTLP	2/0	LAR BT-2/0-CTRP	POSITIVE
LAR BT-3/0-CTLN	3/0	LAR BT-3/0-CTRN	NEGATIVE
LAR BT-3/0-CTLP	3/0	LAR BT-3/0-CTRP	POSITIVE
LAR BT-4/0-CTLN	4/0	LAR BT-4/0-CTRN	NEGATIVE
LAR BT-4/0-CTLP	4/0	LAR BT-4/0-CTRP	POSITIVE

**ALL OF OUR BATTERY TERMINALS ARE MADE OF HIGH GRADE TIN PLATED COPPER.**

BE SURE TO SEE OUR SHRINK TUBE ON PAGES 48 & 49 AND OUR CRIMPERS ON PAGES 62 & 63.

## TEE TYPE

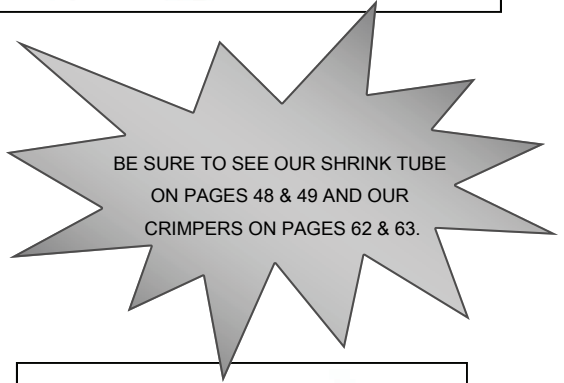
LAR BT-1/0-CTTN	1/0	NEGATIVE
LAR BT-1/0-CTTP	1/0	POSITIVE
LAR BT-2/0-CTTN	2/0	NEGATIVE
LAR BT-2/0-CTTP	2/0	POSITIVE
LAR BT-3/0-CTTN	3/0	NEGATIVE
LAR BT-3/0-CTTP	3/0	POSITIVE
LAR BT-4/0-CTTN	4/0	NEGATIVE
LAR BT-4/0-CTTP	4/0	POSITIVE



# SUPER DUTY LUGS AND SPLICES

\*HIGH GRADE TIN PLATED COPPER

## SUPER DUTY LUGS



## SUPER DUTY SPLICES

PART NUMBER	WIRE SIZE
LAR MS-8	8 GAUGE
LAR MS-6	6 GAUGE
LAR MS-4	4 GAUGE
LAR MS-1	1 & 2 GAUGE
LAR MS-1/0	1/0 GAUGE
LAR MS-2/0	2/0 GAUGE
LAR MS-3/0	3/0 GAUGE
LAR MS-4/0	4/0 GAUGE

PART NUMBER	STUD SIZE	WIRE GAUGE
LAR ML-8-10	#10	8 GAUGE
LAR ML-8-1/4	1/4 "	
LAR ML-8-5/16	5/16 "	
LAR ML-8-3/8	3/8 "	
LAR ML-8-1/2	1/2 "	
LAR ML-6-1/4	1/4 "	6 GAUGE
LAR ML-6-5/16	5/16 "	
LAR ML-6-3/8	3/8 "	
LAR ML-6-1/2	1/2 "	
LAR ML-4-1/4	1/4 "	4 GAUGE
LAR ML-4-5/16	5/16 "	
LAR ML-4-3/8	3/8 "	
LAR ML-4-1/2	1/2 "	
LAR ML-2-1/4	1/4 "	2 GAUGE
LAR ML-2-5/16	5/16 "	
LAR ML-2-3/8	3/8 "	
LAR ML-2-1/2	1/2 "	
LAR ML-1-1/4	1/4 "	1 GAUGE
LAR ML-1-5/16	5/16 "	
LAR ML-1-3/8	3/8 "	
LAR ML-1-1/2	1/2 "	
LAR ML-100-1/4	1/4 "	1/0 GAUGE
LAR ML-100-5/16	5/16 "	
LAR ML-100-3/8	3/8 "	
LAR ML-100-1/2	1/2 "	
LAR ML-200-1/4	1/4 "	2/0 GAUGE
LAR ML-200-5/16	5/16 "	
LAR ML-200-3/8	3/8 "	
LAR ML-200-1/2	1/2 "	
LAR ML-300-3/8	3/8 "	3/0 GAUGE
LAR ML-300-1/2	1/2 "	
LAR ML-400-3/8	3/8 "	4/0 GAUGE
LAR ML-400-1/2	1/2 "	

# STANDARD COPPER LUGS & SPLICES

CABLE ENDS & SPLICES CABLE ENDS & SPLICES CABLE ENDS & SPLICES

## STANDARD COPPER



## TIN PLATED COPPER



## STANDARD SPLICES

PART NUMBER	WIRE GAUGE
LAR BC8TP	8
LAR BC6TP	6
LAR BC4TP	4
LAR BC2TP	2
LAR BC1TP	1
LAR BC1/0TP	1/0
LAR BC2/0TP	2/0
LAR BC3/0TP	3/0
LAR BC4/0TP	4/0

STANDARD COPPER	STUD SIZE	WIRE GAUGE	TIN PLATED
LAR BCL8-10HD	#10	<b>8 GAUGE</b>	LAR BCL8-10HDT
LAR BCL8-14HD	1/4 "		LAR BCL8-14HDT
LAR BCL8-56HD	5/16 "		LAR BCL8-56HDT
LAR BCL8-38HD	3/8 "		LAR BCL8-38HDT
LAR BCL8-12HD	1/2 "		LAR BCL8-12HDT
LAR BCL6-10HD	#10	<b>6 GAUGE</b>	LAR BCL6-10HDT
LAR BCL6-14HD	1/4 "		LAR BCL6-14HDT
LAR BCL6-56HD	5/16 "		LAR BCL6-56HDT
LAR BCL6-38HD	3/8 "		LAR BCL6-38HDT
LAR BCL6-12HD	1/2 "		LAR BCL6-12HDT
LAR BCL4-10HD	#10	<b>4 GAUGE</b>	LAR BCL4-10HDT
LAR BCL4-14HD	1/4 "		LAR BCL4-14HDT
LAR BCL4-56HD	5/16 "		LAR BCL4-56HDT
LAR BCL4-38HD	3/8 "		LAR BCL4-38HDT
LAR BCL4-12HD	1/2 "		LAR BCL4-12HDT
LAR BCL2-14HD	1/4 "	<b>2 GAUGE</b>	LAR BCL2-14HDT
LAR BCL2-56HD	5/16 "		LAR BCL2-56HDT
LAR BCL2-38HD	3/8 "		LAR BCL2-38HDT
LAR BCL2-12HD	1/2 "		LAR BCL2-12HDT
LAR BCL1-14HD	1/4 "		<b>1 GAUGE</b>
LAR BCL1-56HD	5/16 "	LAR BCL1-56HDT	
LAR BCL1-38HD	3/8 "	LAR BCL1-38HDT	
LAR BCL1-12HD	1/2 "	LAR BCL1-12HDT	
LAR BCL10-14HD	1/4 "	<b>1/0 GAUGE</b>	
LAR BCL10-56HD	5/16 "		LAR BCL10-56HDT
LAR BCL10-38HD	3/8 "		LAR BCL10-38HDT
LAR BCL10-12HD	1/2 "		LAR BCL10-12HDT
LAR BCL20-14HD	1/4 "		<b>2/0 GAUGE</b>
LAR BCL20-56HD	5/16 "	LAR BCL20-56HDT	
LAR BCL20-38HD	3/8 "	LAR BCL20-38HDT	
LAR BCL20-12HD	1/2 "	LAR BCL20-12HDT	
LAR BCL30-38HD	3/8 "	<b>3/0 GAUGE</b>	
LAR BCL30-12HD	1/2 "		LAR BCL30-12HDT
LAR BCL40-38HD	3/8 "	<b>4/0 GAUGE</b>	LAR BCL40-38HDT
LAR BCL40-12HD	1/2 "		LAR BCL40-12HDT

★ SEE PAGES 48 & 49 FOR SHRINK TUBING, AND  
PAGE 63 FOR HEAVY DUTY CRIMPERS.

# BATTERY TERMINAL PRODUCTS

## " EMERGENCY TOP POST-UNIVERSAL "

FITS 6 THRU 1 GAUGE



BULK	CARD OF 10
EAS 05300	EAS 00369

## HEAVY DUTY TOP POST

FITS 2 THRU 4/0 GAUGE



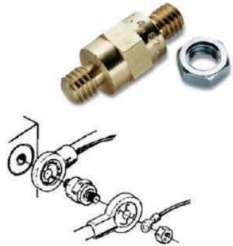
BULK	CARD OF 10
EAS 05301	EAS 00370

## MARINE " WING NUT " TOP POST TERMINAL

EAS 05308 POSITIVE 3/8 " STUD

EAS 05309 NEGATIVE 5/16 " STUD

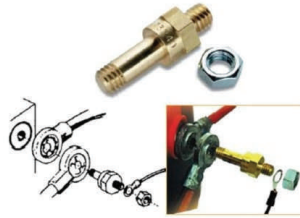
EAS 00149 UNIVERSAL 10/CARD  
5/16 " STUD



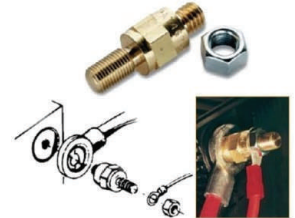
**WIT 30300**  
STANDARD  
SIDE TERMINAL BOLT



**WIT 30322**  
SMALL  
SIDE TERMINAL BOLT



**WIT 30500**  
DOUBLE CABLE SIDE  
TERMINAL BOLT  
GM TRUCK



**WIT 30400**  
SIDE TERMINAL BOLT, LONG



**EAS 05323**  
SHORT 3/8 " OE SIDE  
TERMINAL BOLT



**EAS 05324**  
LONG 1.685 " X 3/8 " OE  
SIDE TERMINAL BOLT



**WIT 30600**  
STANDARD  
TOP MOUNT BOLT



**EAS 05442**  
SIDE TERMINAL  
SPACERS



**LAR BB-SN**  
BATTERY BOLT WITH  
SHOULDER NUT  
5/16 " -18X 1-1/4" BOLT  
5/16 " -18 HEX NUT



**LAR 1105**  
CLOSED



**LAR 1106**  
OPEN

GROUP 31 NUTS



**EAS 00237**  
TOP POST  
TERMINAL PROTECTORS  
100/CAN



**EAS 00319**  
SIDE POST  
TERMINAL PROTECTORS  
100/CAN



**EAS 00320**  
BATTERY TERMINAL  
PROTECTION SPRAY



**EAS 00321**  
BATTERY TERMINAL  
CLEANER SPRAY

# 3M STANDARD HEAT SHRINK TUBING



2 TO 1 SHRINK RATIO



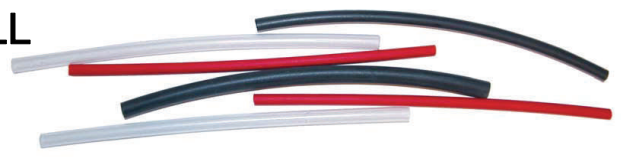
SIZE	6 "PACKS	QTY	12 " PACKS	QTY	4 ' STICKS	100 ' ROLLS-BLACK ONLY
3/64 "	MMM HP6-3/64BK	40	MMM HP12-3/64BK	10	MMM HP48-3/64BK	
1/16 "	MMM HP6-1/16BK	36	MMM HP12-1/16BK	10	MMM HP48-1/16BK	
3/32 "	MMM HP6-3/32BK	32	MMM HP12-3/32BK	10	MMM HP48-3/32BK	MMM HPS-3/32BK
1/8 " ★	MMM HP6-1/8BK	28	MMM HP12-1/8BK	10	MMM HP48-1/8BK	MMM HPS-1/8BK
3/16 " ★	MMM HP6-3/16BK	24	MMM HP12-3/16BK	10	MMM HP48-3/16BK	MMM HPS-3/16BK
1/4 " ★	MMM HP6-1/4BK	20	MMM HP12-1/4BK	10	MMM HP48-1/4BK	MMM HPS-1/4BK
3/8 " ★	MMM HP6-3/8BK	16	MMM HP12-3/8BK	10	MMM HP48-3/8BK	MMM HPS-3/8BK
1/2 " ★	MMM HP6-1/2BK	14	MMM HP12-1/2BK	10	MMM HP48-1/2BK	MMM HPS-1/2BK
3/4 " ★	MMM HP6-3/4BK	12	MMM HP12-3/4BK	10	MMM HP48-3/4BK	MMM HPS-3/4BK 50 ' ROLL
1 " ★	MMM HP6-1BK	8	MMM HP12-1BK	10	MMM HP48-1BK	MMM HPS-1BK 50 ' ROLL

★ 1/8 " THRU 1 " ALSO SOLD IN RED ( RD ).  
OTHER COLORS ARE AVAILABLE, ASK YOUR SALES REP FOR DETAILS.

STANDARD SHRINK TUBE KITS	
MMM HP6B-KIT	1/8 " THRU 3/4" BLACK
MMM HP6R-KIT	1/8 " THRU 3/4" RED

# 3M FLEXIBLE ADHESIVE INNERWALL

3 TO 1 SHRINK RATIO



SIZE	6 "PACKS	QTY	12 " PACKS	QTY	4 ' STICKS
1/8 " ★	MMM HPS6-1/8BK	12	MMM HPS12-1/8BK	10	MMM HPS48-1/8BK
3/16 " ★	MMM HPS6-3/16BK	12	MMM HPS12-3/16BK	10	MMM HPS48-3/16BK
1/4 " ★	MMM HPS6-1/4BK	10	MMM HPS12-1/4BK	10	MMM HPS48-1/4BK
3/8 " ★	MMM HPS6-3/8BK	8	MMM HPS12-3/8BK	10	MMM HPS48-3/8BK
1/2 " ★	MMM HPS6-1/2BK	6	MMM HPS12-1/2BK	10	MMM HPS48-1/2BK
3/4 " ★	MMM HPS6-3/4BK	4	MMM HPS12-3/4BK	10	MMM HPS48-3/4BK
1 " ★	MMM HPS6-1BK	4	MMM HPS12-1BK	10	MMM HPS48-1BK
1-1/2 "			MMM HPS12-1-1/2BK	10	MMM HPS48-1-1/2BK

★ 1/8 " THRU 1 " ALSO SOLD IN RED ( RD ) AND CLEAR ( CL ).

ADHESIVE WALL SHRINK TUBE KITS	
MMM HPS6B-KIT	3/16 " THRU 3/4" BLACK
MMM HPS6R-KIT	3/16 " THRU 3/4" RED



# 3M HEAVY WALL HEAT SHRINK TUBING

3 TO 1 SHRINK RATIO

ADHESIVE LINED



SIZE (ID)	RECOVERED SIZE	COLOR	PART# 6" PACKS	QTY	PART# 12" PACKS	QTY	PART# 4' STICKS
0.3"	0.10"	BLACK	MMM HPSM6-03BK	5	MMM HPSM12-03BK	5	MMM HPSM48-03BK
		RED	MMM HPSM6-03RD	5	MMM HPSM12-03RD	5	MMM HPSM48-03RD
0.4"	0.13"	BLACK	MMM HPSM6-04BK	5	MMM HPSM12-04BK	5	MMM HPSM48-04BK
		RED	MMM HPSM6-04RD	5	MMM HPSM12-04RD	5	MMM HPSM48-04RD
0.8"	0.27"	BLACK	MMM HPSM6-08BK	5	MMM HPSM12-08BK	5	MMM HPSM48-08BK
		RED	MMM HPSM6-08RD	5	MMM HPSM12-08RD	5	MMM HPSM48-08RD
1.1"	0.37"	BLACK	MMM HPSM6-11BK	5	MMM HPSM12-11BK	5	MMM HPSM48-11BK
		RED	MMM HPSM6-11RD	5	MMM HPSM12-11RD	5	MMM HPSM48-11RD
1.3"	0.43"	BLACK			MMM HPSM12-13BK	5	MMM HPSM48-13BK
1.5"	0.50"	BLACK			MMM HPSM12-15BK	5	MMM HPSM48-15BK
		RED			MMM HPSM12-15RD	5	
2"	0.67"	BLACK			MMM HPSM12-20BK	5	MMM HPSM48-20BK
3"	1.00"	BLACK					MMM HPSM48-30BK
4"	1.33"	BLACK					MMM HPSM48-40BK



4 TO 1 SHRINK RATIO

CLEAR WITH COLOR DASH

AGGRESSIVE ADHESIVE LINING

SIZE	CLEAR WITH DASH COLOR	6" 12 PACK	12" 10' PACK	4' LENGTH'S
.220"	WHITE	NAT HST6-22	NAT HST12-22	NAT HST48-22
.30"	RED	NAT HST6-30	NAT HST12-30	NAT HST48-30
.35"	BLUE	NAT HST6-35	NAT HST12-35	NAT HST48-35
.45"	YELLOW	NAT HST6-45	NAT HST12-45	NAT HST48-45



OUR 4 TO 1 HST SERIES SHRINK TUBE IS MADE OF A CLEAR ALL WEATHER POLYOLEFIN TUBING WITH A VERY ACTIVE ADHESIVE LINING.

\*EXCELLENT FOR MULTIPLE WIRES AND SPLICING

\*EACH SIZE HAS ITS OWN COLOR DASH

\*PUNCTURE RESISTANT AND PROVIDES SUPERIOR STRAIN RELIEF

4 TO 1 CLEAR HEAT SHRINK KIT	
NAT HST6-KIT	ALL 4 SIZES, 6" ASSORTMENT

SHRINK TUBE SHRINK TUBE SHRINK TUBE SHRINK TUBE SHRINK TUBE SHRINK TUBE SHRINK TUBE





# STANDARD BLADE FUSES & FUSE HOLDERS

## SMART FUSE

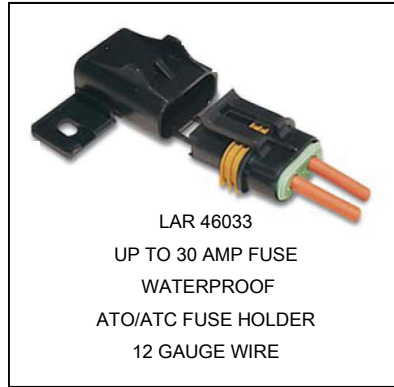
THE LED IN THE TOP OF THE FUSE GLOWS WHEN BLOWN IDENTIFYING THE FUSE NEEDING REPLACEMENT.

\*SOLD IN 10 PACKS



## SMART FUSE


PART NUMBER	AMP	COLOR
LIT ATO 10 TPGLO	10	RED
LIT ATO 15 TPGLO	15	BLUE
LIT ATO 20 TPGLO	20	YELLOW
LIT ATO 25 TPGLO	25	CLEAR
LIT ATO 30 TPGLO	30	GREEN



LAR 46033  
UP TO 30 AMP FUSE  
WATERPROOF  
ATO/ATC FUSE HOLDER  
12 GAUGE WIRE

## STANDARD BLADE FUSES

PART NUMBER 5 BOX	AMP	COLOR	PART NUMBER 50 PACKS
LIT ATO 1	1	BLACK	LIT 257001PXPV
LIT ATO 2	2	GRAY	LIT 257002PXPV
LIT ATO 3	3	VIOLET	LIT 257003PXPV
LIT ATO 4	4	PINK	LIT 257004PXPV
LIT ATO 5	5	TAN	LIT 257005PXPV
LIT ATO 7.5	7.5	BROWN	LIT 25707.5PXPV
LIT ATO 10	10	RED	LIT 257010PXPV
LIT ATO 15	15	BLUE	LIT 257015PXPV
LIT ATO 20	20	YELLOW	LIT 257020PXPV
LIT ATO 25	25	CLEAR	LIT 257025PXPV
LIT ATO 30	30	GREEN	LIT 257030PXPV
LIT ATO 40	40	AMBER	LIT 257040PXPV

 SEE OUR FULL LINE OF FUSE BLOCKS ON PAGE 54 AND TERMINAL BLOCKS ON 55.

ATO/ATC ADD-A-CIRCUIT

LIT FHA 200

UP TO 10 AMP ADD-A-CIRCUIT  
IDEAL FOR FULL FUSE PANELS WHERE ONE MORE FUSE IS NEEDED. TAKES ONE FUSE CIRCUIT AND MAKES IT TWO. UP TO 10 AMP.

LIT FHAC 2  
12 GAUGE WIRE

LIT FHAC 1  
16 GAUGE WIRE

LIT FHA 2  
12 GAUGE WIRE

LIT FHA 1  
16 GAUGE WIRE

SEE OUR CRIMP, SHRINK AND SOLDER CONNECTORS ON PAGES 31 THRU 43.



LAR FA-ATO  
ATO/ATC FUSE TAP  
.250 BLADE



LIT FA-ATO1  
FUSE TAP  
.250 BLADE



LAR FHHD-10  
10 GAUGE WIRE  
WITH COVER.

MMM 972  
20 AMP MAX. SELF STRIPPING  
FUSE HOLDER. FOR 14,16 AND 18  
GAUGE WIRE.

# MINI & MAXI BLADE FUSES & FUSE HOLDERS

## MINI BLADE FUSES

PART NUMBER 5 PACKS	AMP	COLOR	PART NUMBER 50 PACKS
LIT MIN 2	2	GRAY	LIT 297002U
LIT MIN 3	3	VIOLET	LIT 297003U
LIT MIN 4	4	PINK	LIT 297004U
LIT MIN 5	5	TAN	LIT 297005U
LIT MIN 7.5	7.5	BROWN	LIT 29707.5U
LIT MIN 10	10	RED	LIT 297010U
LIT MIN 15	15	BLUE	LIT 297015U
LIT MIN 20	20	YELLOW	LIT 297020U
LIT MIN 25	25	CLEAR	LIT 297025U
LIT MIN 30	30	GREEN	LIT 297030U



MINI FUSES



**LAR 04146**

UP TO 30 AMP WATERPROOF  
MINI FUSE HOLDER, 12GA WIRE

## MINI SMART FUSE

THE LED IN THE TOP OF THE FUSE GLOWS  
WHEN BLOWN, IDENTIFYING THE FUSE  
NEEDING REPLACEMENT.

**\*SOLD IN 10 PACKS**



SMART FUSE

PART NUMBER	AMP	COLOR
LIT MIN 10 TPGLO	10	RED
LIT MIN 15 TPGLO	15	BLUE
LIT MIN 20 TPGLO	20	YELLOW
LIT MIN 25 TPGLO	25	CLEAR
LIT MIN 30 TPGLO	30	GREEN

## LOW PROFILE MINI FUSE



PART NUMBER	AMP	COLOR
LIT LMIN 5	5	TAN
LIT LMIN 7.5	7.5	BROWN
LIT LMIN 10	10	RED
LIT LMIN 15	15	BLUE
LIT LMIN 20	20	YELLOW
LIT LMIN 25	25	NATURAL
LIT LMIN 30	30	GREEN

MINI ADD-A-CIRCUIT UP TO 10 AMP

**LIT FHM 200**

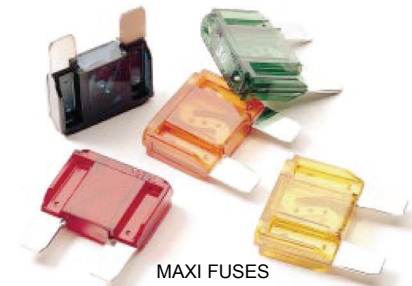
IDEAL FOR FULL FUSE PANELS WHERE ONE  
MORE FUSE IS NEEDED. TAKES ONE FUSE  
CIRCUIT AND MAKES IT TWO. UP TO 10 AMP.

**LIT FHM 1**  
16 GAUGE  
BLACK WIRE

**LIT FHM 2**  
12 GAUGE  
ORANGE WIRE



SEE OUR FULL LINE OF FUSE BLOCKS ON PAGE 54.



MAXI FUSES

## MAXI FUSES

PART NUMBER	AMPS	COLOR
LIT MAX 20	20	YELLOW
LIT MAX 30	30	GREEN
LIT MAX 40	40	ORANGE
LIT MAX 50	50	PINK
LIT MAX 60	60	BLUE
LIT MAX 80	80	NATURAL

\*SOLD 1 PER PACKAGE



**BLU 5006B**

UP TO 80 AMP MAXI FUSE HOLDER  
18 TO 4 GAUGE WIRE



**LAR FA-MTPR**  
MINI FUSE  
BLOCK TAP  
.187 BLADE



**LIT FA-MINI1**  
MINI FUSE TAP  
.187 BLADE



**LIT FA-MINI2**  
MINI FUSE TAP  
.187 BLADE

**LIT MAB 1**  
UP TO 60 AMP MAXI FUSE HOLDER  
**LIT 152900**  
OPTIONAL DUST COVER



# FUSE BLOCKS

## ATO/ATC BLADE FUSE BLOCKS



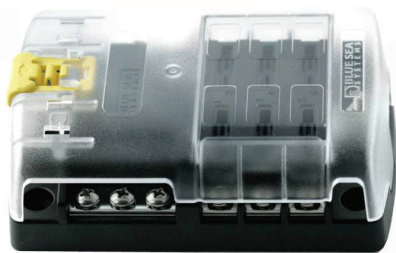
WITH GROUNDING PAD

RATED AT **20 AMPS PER FUSE** AND **100 AMP TOTAL** FOR THE BLOCK.  
10-32 POWER & GROUND STUD, WITH 1/4 " QUICK DISCONNECTS.

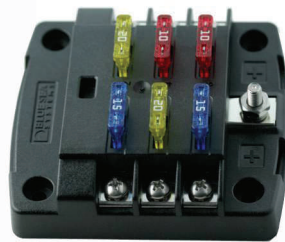
PART NUMBER WITHOUT GROUND	#CIRCUITS	PART NUMBER WITH GROUND
LAR 15600-6-20	6	LAR 15600-6-21
LAR 15600-8-20	8	LAR 15600-8-21
LAR 15600-10-20	10	LAR 15600-10-21
LAR 15600-12-20	12	LAR 15600-12-21

## HEAVY DUTY ATO/ATC FUSE BLOCKS

RATED AT **30 AMPS PER CIRCUIT** AND **100 AMPS TOTAL PER BLOCK**.  
10-32 POWER & GROUND STUDS, 8-32 TERMINAL SCREWS WITH LOCK WASHERS. STORAGE FOR SPARE FUSES UNDER PROTECTIVE COVER.



**BLADE FUSE BLOCK WITH COVER**



**BLADE FUSE BLOCK WITHOUT COVER**

BLU 5025B	6 CIRCUIT WITH NEG BUS BAR	BLU 5030B	6 CIRCUIT WITH NEG BUS BAR
BLU 5026B	12 CIRCUIT WITH NEG BUS BAR	BLU 5031B	12 CIRCUIT WITH NEG BUS BAR
BLU 5028B	6 CIRCUIT	BLU 5033B	6 CIRCUIT
BLU 5029B	12 CIRCUIT	BLU 5034B	12 CIRCUIT

## HEAVY DUTY ATO/ATC FUSE BLOCKS

RATED AT **30 AMPS PER CIRCUIT**, WITH 1/4 " QUICK DISCONNECTS AND SCREW DOWN DUST COVER. THEY CAN BE STACKED TOGETHER FOR MULTIPLE UNITS..



**BLADE FUSE BLOCK**

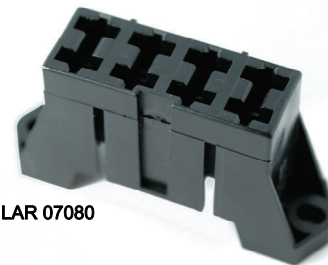
PART NUMBER	CIRCUITS	MAXIMUM AMP
LAR 08046	4	60
LAR 08146	6	90
LAR 08246	8	120
LAR 08346	10	150
LAR 08446	12	180

OUR GLASS FUSE BLOCK ACCEPTS AGC, MDL AND ALL OTHER 3AG FUSES. RATED 30 AMPS PER CIRCUIT AND 100 AMPS PER BLOCK. COVER SATISFIES ABYC/USCG REQUIREMENTS. 8-32 TERMINAL SCREWS WITH CAPTIVE STAR LOCK WASHERS AND 10-32 STAINLESS STEEL STUD BOLTS. BUILT IN FUSE EJECTOR LEVERS.



**GLASS FUSE BLOCK WITH SCREW TERMINALS**

BLU 5015B	6 CIRCUIT WITH NEGATIVE GROUND
BLU 5018B	6 CIRCUIT WITHOUT GROUND



**LAR 07080**

4 GANG ATO/ATC FUSE BLOCK. BLOCKS CAN BE SNAPPED TOGETHER FOR MULTIPLE COMBINATIONS.

TERMINALS	WIRE GAUGE
DEL 12020400	12
DEL 12020321	16-14
DEL 12020334	20-18



**BLU 5021B**  
PANEL MOUNT WATER RESISTANT GLASS FUSE HOLDER



**LAR 46003**  
CRIMP TYPE GLASS FUSE HOLDER

# POWER DISTRIBUTION AND TERMINAL BLOCKS

## MINIBUS 100 AMP COMMON BUSBAR COVER INCLUDED



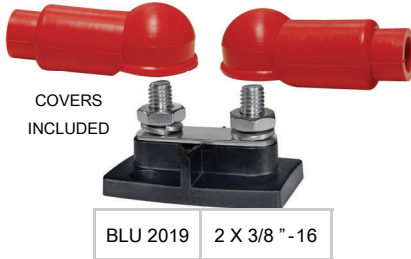
PN	TERMINAL SCREW	TERMINAL STUD
BLU 2314	5 X #8-32	2 X #10-32

## 150 AMP COMMON BUSBAR COVER INCLUDED



PN	TERMINAL STUD
BLU 2307	4 X 1/4" -20

## POWERBAR COMMON BUSBAR

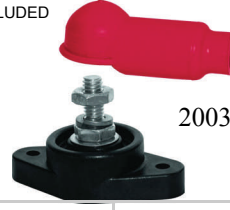


BLU 2019	2 X 3/8" -16
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## POWERPOST CABLE CONNECTORS COVER INCLUDED



PN	TERMINAL STUD
BLU 2010B	#10-32 X 5/8"
BLU 2011B	1/4" X 3/4"



PN	TERMINAL STUD
BLU 2001B	1/4" X 1-1/16"
BLU 2002B	5/16" X 7/8"
BLU 2003B	3/8" X 7/8"

## POWERPOST PLUS CABLE CONNECTORS COVER INCLUDED



PN	TERMINAL STUD	TERMINAL SCREWS 8 X #8-32
BLU 2101B	1/4" X 1"	
BLU 2102B	5/16" X 3/4"	
BLU 2103B	3/8" X 3/4"	

## DUALBUS PLUS 150 AMP COMMON BUSBAR COVER INCLUDED



PN	TERMINAL SCREWS	TERMINAL STUD
BLU 2722	5 X #10-32	1/4" -20 STUD
BLU 2723	EACH SIDE	5/16" STUD

## DUALBUS 100 AMP COMMON BUSBAR



BLU 2701	5 X #8-32 EACH SIDE
BLU 2709	COVER FOR 2701

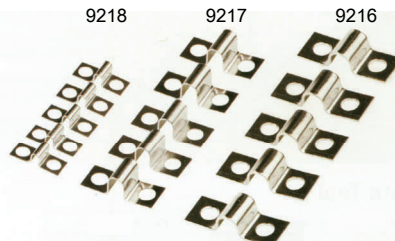


## STUD CABLECAP INSULATORS

PN	CABLE SIZE	COLOR
BLU 4008B	18-10 GAUGE	RED
BLU 4009B	18-10 GAUGE	BLACK
BLU 4010B	8-4 GAUGE	RED
BLU 4011B	8-4 GAUGE	BLACK
BLU 4012B	2-2/0 GAUGE	RED
BLU 4013B	2-2/0 GAUGE	BLACK
BLU 4014B	3/0-4/0 GAUGE	RED
BLU 4015B	3/0-4/0 GAUGE	BLACK

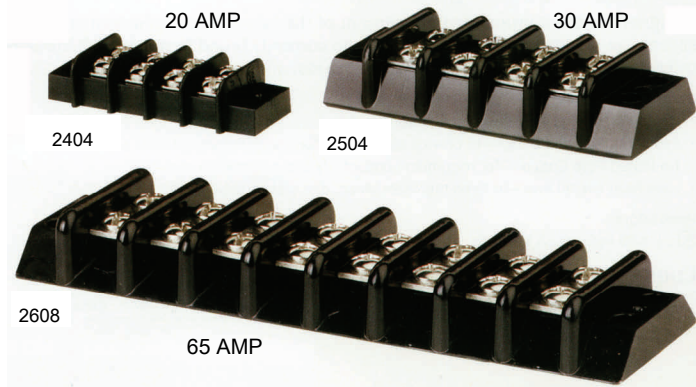
## 20/30/65 AMP TERMINAL BLOCKS

PN	AMPS	CIRCUITS	SCREW SIZE
BLU 2402B	20 AMPS	2	#6-32
BLU 2404B		4	
BLU 2406B		6	
BLU 2408B		8	
BLU 2410B		10	
BLU 2502B	30 AMPS	2	#8-32
BLU 2504B		4	
BLU 2506B		6	
BLU 2508B		8	
BLU 2510B		10	
BLU 2512B	12		
BLU 2602B	65 AMPS	2	#10-32
BLU 2604B		4	
BLU 2606B		6	
BLU 2508B		8	
BLU 2610B		10	



## TERMINAL BLOCK JUMPERS

BLU 9218B	20 AMP
BLU 9217B	30 AMP
BLU 9216B	65 AMP



# 12 VOLT CIRCUIT BREAKERS

MANUAL RESET  
PUSH TO TRIP



98046

30 VOLT MAX

PANEL MOUNT  
AUTO RESET



91746

AUTO RESET



93046

MANUAL RESET



92046

## HI-AMP CIRCUIT BREAKERS

AMPS	MANUAL RESET PUSH TO TRIP	MANUAL RESET	AUTO RESET	PANEL MOUNT
50	LAR 98046	LAR 92046	LAR 93046	LAR 91046
60	LAR 98146	LAR 92146	LAR 93146	LAR 91146
80	LAR 98346	LAR 92346	LAR 93346	LAR 91346
100	LAR 98546	LAR 92546	LAR 93546	LAR 91546
120	LAR 98746	LAR 92746	LAR 93746	LAR 91746
150	LAR 98946	LAR 92946	LAR 93946	LAR 91946

### NO MOUNTING BASE

AMPS	NO MOUNTING BASE	
	PLASTIC BASE 12 VDC	METAL BASE 12 VDC
10	POL 54-110PLP	POL 54-110
15	*	POL 54-115P
20	POL 54-120PLP	POL 54-120P
25	POL 54-125PLP	POL 54-125P
30	POL 54-130PLP	POL 54-130P
35	POL 54-135PLP	*
40	*	POL 54-140P
50	POL 54-150PLP	POL 54-150P



54-120P



54-220P



54-120PLP



54-220PLP

### 90° MOUNTING BASE

AMPS	90° MOUNTING BASE	
	PLASTIC BASE 12 VDC	METAL BASE 12 VDC
15	POL 54-215PLP	POL 54-215P
20	POL 54-220PLP	POL 54-220P
25		POL 54-225P
30	POL 54-230PLP	POL 54-230P
30	POL 54-831PLP ( PLASTIC 24 VDC)	
40	POL 54-240PLP	POL 54-240P
50	POL 54-250PLP	POL 54-250P

SEE OUR RELAYS ON PAGE 59.

### AMPS BLADE TYPE

AMPS	BLADE TYPE
5	POL 54-705P
10	POL 54-710P
15	POL 54-715P
20	POL 54-720P
25	POL 54-725P
30	POL 54-730P



54-720P



54-520P



54-520PLP

### STRAIGHT MOUNTING BASE

AMPS	STRAIGHT MOUNTING BASE	
	PLASTIC BASE 12 VDC	METAL BASE 12 VDC
10	POL 54-510PLP	
15	POL 54-515PLP	POL 54-515P
20	POL 54-520PLP	POL 54-520P
25		POL 54-525P
30	POL 54-530PLP	POL 54-530P
40	POL 54-540PLP	POL 54-540P
50	POL 54-550PLP	POL 54-550P

### MID-RANGE CIRCUIT BREAKERS PANEL MOUNT

AMPS	AUTO RESET	MANUAL RESET
10	LAR 95046	LAR 97046
15	LAR 95146	LAR 97146
20	LAR 95246	LAR 97246
25	LAR 95346	LAR 97346
30	LAR 95446	LAR 97446
35	LAR 95546	LAR 97546
40	LAR 95646	LAR 97646
50	LAR 95746	LAR 97746



LAR 97246

SWITCHABLE MANUAL  
RESET



LAR 95246

AUTO RESET

AMPS	PANEL MOUNT
10	LAR 48146
15	LAR 48246
20	LAR 48346
30	LAR 48446
40	LAR 48546



MANUAL  
RESET

LAR 47946

CLEAR PLASTIC DUST  
BOOT

CIRCUIT BREAKERS CIRCUIT BREAKERS CIRCUIT BREAKERS CIRCUIT BREAKERS CIRCUIT BREAKERS

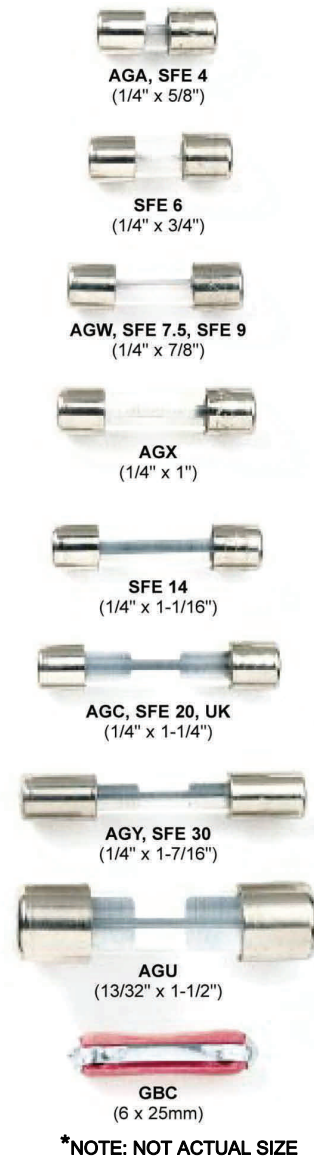
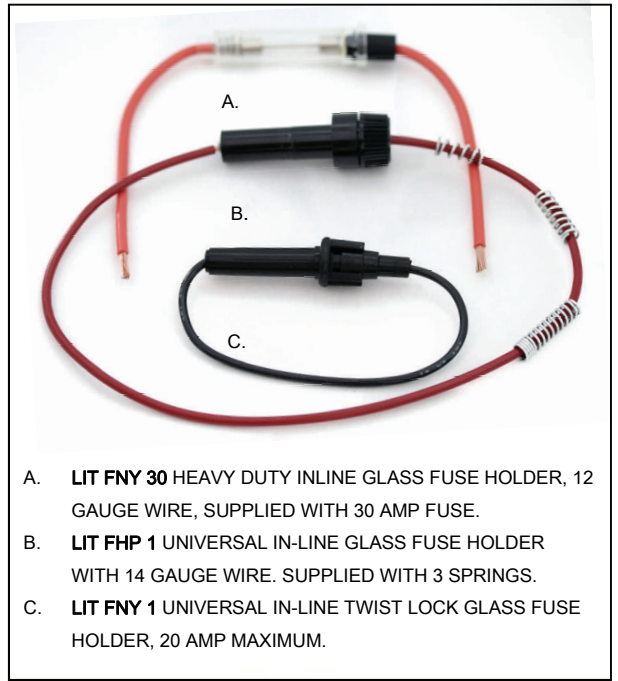


# GLASS FUSES & HOLDERS

PART NUMBER AMP TYPE PART NUMBER AMP TYPE

LIT AGA 1	1	AGA	
LIT AGA 1.5	1.5		
LIT AGA 2	2		
LIT AGA 2.5	2.5		
LIT AGA 3	3		
LIT AGA 5	5		
LIT AGA 6	6		
LIT AGA 7.5	7.5		
LIT AGA 10	10		
LIT AGA 15	15		
LIT AGA 20	20		
LIT AGA 25	25		
LIT AGA 30	30		
LIT AGC .5	.5		AGC
LIT AGC 1	1		
LIT AGC 1.5	1.5		
LIT AGC 2	2		
LIT AGC 2.5	2.5		
LIT AGC 3	3		
LIT AGC 4	4		
LIT AGC 5	5		
LIT AGC 6	6		
LIT AGC 7.5	7.5		
LIT AGC 8	8		
LIT AGC 10	10		
LIT AGC 15	15		
LIT AGC 20	20		
LIT AGC 25	25		
LIT AGC 30	30		
LIT AGC 35	35		
LIT SFE 4	4	SFE	
LIT SFE 6	6		
LIT SFE 7.5	7.5		
LIT SFE 9	9		
LIT SFE 14	14		
LIT SFE 20	20		
LIT SFE 30	30		

LIT AGU 1	1	AGU
LIT AGU 2	2	
LIT AGU 3	3	
LIT AGU 4	4	
LIT AGU 5	5	
LIT AGU 10	10	
LIT AGU 15	15	
LIT AGU 20	20	
LIT AGU 25	25	
LIT AGU 30	30	
LIT AGU 35	35	
LIT AGU 40	40	
LIT AGU 50	50	
LIT AGU 60	60	
LIT AGW 1	1	AGW
LIT AGW 1.5	1.5	
LIT AGW 2.5	2.5	
LIT AGW 3	3	
LIT AGW 4	4	
LIT AGW 5	5	
LIT AGW 6	6	
LIT AGW 15	15	
LIT AGW 20	20	
LIT AGW 30	30	
LIT AGX 2	2	AGX
LIT AGX 3	3	
LIT AGX 20	20	
LIT AGX 25	25	
LIT AGX 30	30	
LIT AGY 50	50	AGY
LIT GBC 5	5	GBC
LIT GBC 8	8	
LIT GBC 16	16	
LIT GBC 25	25	
LIT UK 35	35	UK
LIT UK 50	50	

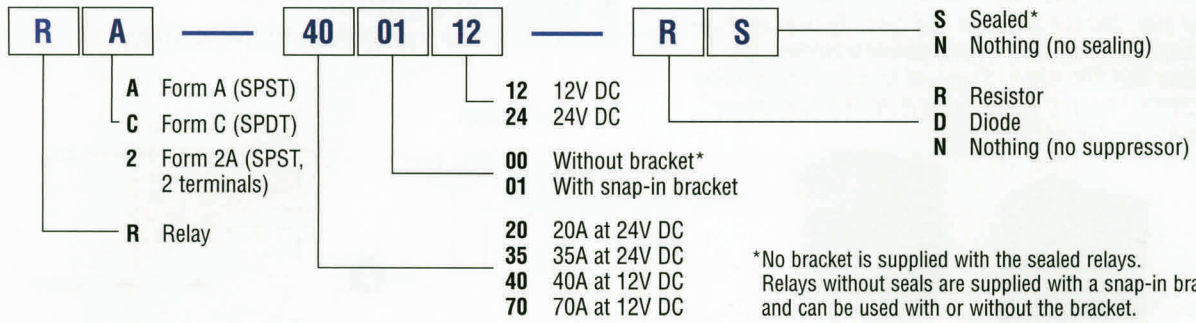
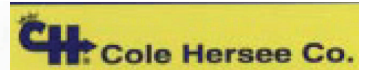


\*GLASS FUSES SOLD IN 5 PACKS\*



# RELAYS-CONNECTORS-FLASHERS

## Relay Part Number Structure



FORM	AMPERAGE	BRACKET	VOLTAGE	SUPPRESSOR	SEAL	PART NUMBER	DIAGRAM
A: SPST	40	01 Snap-in	12	N: none	N: no seal	RA-400112-NN	1
A: SPST	40	01 Snap-in	12	R: resistor	N: no seal	RA-400112-RN	2
A: SPST	40	01 Snap-in	12	D: diode	N: no seal	RA-400112-DN	2
A: SPST	20	01 Snap-in	24	N: none	N: no seal	RA-200124-NN	1
A: SPST	20	01 Snap-in	24	R: resistor	N: no seal	RA-200124-RN	2
A: SPST	20	01 Snap-in	24	D: diode	N: no seal	RA-200124-DN	2
A: SPST	40	00 None	12	D: diode	S: sealed	RA-400012-DS	2
A: SPST	20	00 None	24	D: diode	S: sealed	RA-200024-DS	2
C: SPDT	40	01 Snap-in	12	N: none	N: no seal	RC-400112-NN	3
C: SPDT	40	01 Snap-in	12	R: resistor	N: no seal	RC-400112-RN	4
C: SPDT	40	01 Snap-in	12	D: diode	N: no seal	RC-400112-DN	4
C: SPDT	20	01 Snap-in	24	N: none	N: no seal	RC-200124-NN	3
C: SPDT	20	01 Snap-in	24	R: resistor	N: no seal	RC-200124-RN	4
C: SPDT	20	01 Snap-in	24	D: diode	N: no seal	RC-200124-DN	4
C: SPDT	40	00 None	12	D: diode	S: sealed	RC-400012-DS	4
C: SPDT	20	00 None	24	D: diode	S: sealed	RC-200024-DS	4
2: SPST	20	01 Snap-in	24	R: resistor	N: no seal	R2-200124-RN	5
2: SPST	40	01 Snap-in	12	R: resistor	N: no seal	R2-400112-RN	5
A: SPST	70	01 Snap-in	12	N: none	N: no seal	RA-700112-NN	1
A: SPST	70	01 Snap-in	12	R: resistor	N: no seal	RA-700112-RN	2
A: SPST	70	01 Snap-in	12	D: diode	N: no seal	RA-700112-DN	2
C: SPDT	70	01 Snap-in	12	N: none	N: no seal	RC-700112-NN	3
C: SPDT	70	01 Snap-in	12	R: resistor	N: no seal	RC-700112-RN	4
C: SPDT	70	01 Snap-in	12	D: diode	N: no seal	RC-700112-DN	4



### 12 VOLT ELECTRO-MECHANICAL FLASHERS

PART NUMBER	CONTACTS	LAMPS/WATTS
TRI EL-12	2	1-10 240W
TRI EL-13	3	1-10 240W



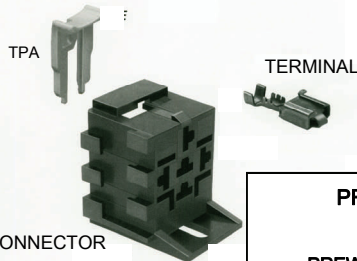
### 12 VOLT ELECTRONIC FLASHERS

PART NUMBER	CONTACTS	LAMPS/WATTS
TRI EP37 HEAVY DUTY-LED	2	1-16 432W TRUCK,RV,BUS,LED
TRI EL-13A1 ALTERNATING-LED	3	1-6 150W WIGWAG, LED

### RELAY KIT

LAR A68154500K1

CONTAINS 1 40 AMP SPDT RELAY RC400112NN ,  
1 CONNECTOR, 1 TPA AND 5 TERMINALS.  
A COMPLETE KIT READY FOR INSTALLATION.



### PREWIRED RELAY CONNECTOR

LAR RH18

PREWIRED WITH 5 WIRE 14 GA, 18" LONG.



3 WIRE FLASHER &  
HEADLIGHT CONNECTORS  
3 WIRE



POL 52-256P

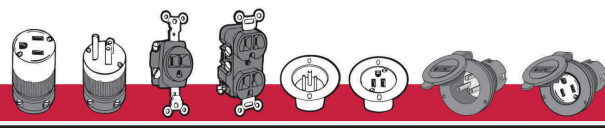


# MARINCO SPECIALTY WIRING DEVICES

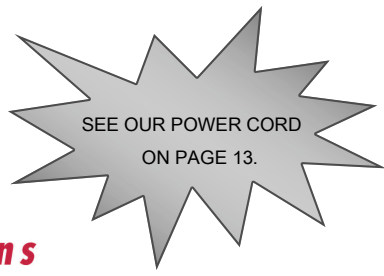
## Configurations

### 15 & 20 Amp Straight Blade Devices

#### 15 & 20 Amp Straight Blade



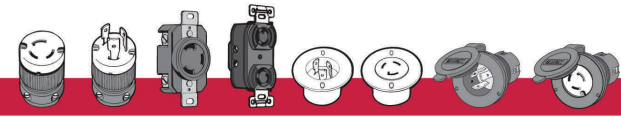
AMPS	POLES/WIRES	VOLTAGE	NEMA CONFIG.	CONNECTOR	PLUG	SINGLE RECEPTACLE	DUPLEX RECEPTACLE	FLANGED INLET	FLANGED OUTLET	DUST RESISTANT INLET	DUST RESISTANT OUTLET
15	2P 3W	125	 5-15R	 5-15P	5269	5266	5251 5252	5278	5279	5278DRI	5279DRO
15	2P 3W	250	 6-15R	 6-15P	5669	5666	5651 5662	5678	5679	5678DRI	5679DRO
20	2P 3W	125	 5-20R	 5-20P	5369	5366	5351 5352	5378	5379	5378DRI	5379DRO
20	2P 3W	250	 6-20R	 6-20P	5469	5466	5461 5462	5478	5479	5478DRI	5479DRO



### 15 Amp Locking Devices

## Configurations

#### 15 Amp Locking

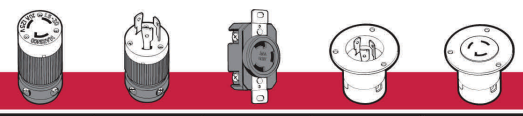


AMPS	POLES/WIRES	VOLTAGE	NEMA CONFIG.	CONNECTOR	PLUG	SINGLE RECEPTACLE	DUPLEX RECEPTACLE	FLANGED INLET	FLANGED OUTLET	DUST RESISTANT INLET	DUST RESISTANT OUTLET
15	2P 3W	125	 L5-15R	 L5-15P	4729	4720	4710 4700	4716	4715	4716DRI	4715DRO
15	2P 3W	250	 L6-15R	 L6-15P	4579	4570	4560 4550	4586	4585	-	-
15	2P 3W	277	 L7-15R	 L7-15P	4779	4770	4760 4750	4786	4785	4786DRI	4785DRO

### 20 Amp Locking Devices

## Configurations

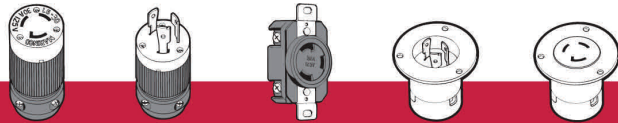
#### 20 Amp NEMA Locking



AMPERAGE	POLES/WIRES	VOLTAGE	NEMA CONFIG.	CONNECTOR	PLUG	RECEPTACLE	FLANGED INLET	FLANGED OUTLET
20	2P 3W	125	 L5-20R	 L5-20P	205C	205P	205R	205FI 205FO
20	2P 3W	250	 L6-20R	 L6-20P	206C	206P	206R	206FI 206FO
20	2P 3W	277	 L7-20R	 L7-20P	207C	207P	207R	207FI 207FO
20	2P 3W	480	 L8-20R	 L8-20P	208C	208P	208R	208FI 208FO
20	2P 3W	600	 L9-20R	 L9-20P	209C	209P	209R	209FI 209FO
20	3P 4W	125/250	 L14-20R	 L14-20P	2014C	2014P	2014R	2014FI 2014FO
20	3P 4W	3Ø 250	 L15-20R	 L15-20P	2015C	2015P	2015R	2015FI 2015FO
20	3P 4W	3Ø 480	 L16-20R	 L16-20P	2016C	2016P	2016R	2016FI 2016FO
20	4P 5W	3ØY 120/208	 L21-20R	 L21-20P	2021C	2021P	2021R	2021FI 2021FO
20	4P 5W	3ØY 277/480	 L22-20R	 L22-20P	2022C	2022P	2022R	2022FI 2022FO
20	4P 5W	3ØY 347/600	 L23-20R	 L23-20P	2023C	2023P	2023R	2023FI 2023FO

*Configurations*

**30 Amp Locking Devices**

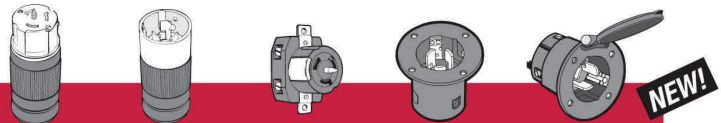


**30 Amp NEMA Locking**

AMPERAGE	POLES/WIRES	VOLTAGE	NEMA CONFIG.	CONNECTOR	PLUG	RECEPTACLE	FLANGED INLET	FLANGED OUTLET
30	2P 3W	125	L5-30R L5-30P	305C	305P	305R	305FI	305FO
30	2P 3W	250	L6-30R L6-30P	306C	306P	306R	306FI	306FO
30	3P 4W	125/250	L14-30R L14-30P	3014C	3014P	3014R	3014FI	3014FO
30	3P 4W	3Ø 250	L15-30R L15-30P	3015C	3015P	3015R	3015FI	3015FO
30	3P 4W	3Ø 480	L16-30R L16-30P	3016C	3016P	3016R	3016FI	3016FO
30	4P 5W	3ØY 120/208	L21-30R L21-30P	3021C	3021P	3021R	3021FI	3021FO
30	4P 5W	3ØY 277/480	L22-30R L22-30P	3022C	3022P	3022R	3022FI	3022FO
30	4P 5W	3ØY 347/600	L23-30R L23-30P	3023C	3023P	3023R	3023FI	3023FO

**50 Amp Locking Devices**

*Configurations*



**50 Amp Devices**

AMPERAGE	POLES/WIRES	VOLTAGE	NEMA CONFIG.	CONNECTOR	PLUG	RECEPTACLE	FLANGED INLET	FLANGED INLET WITH SPRING LOADED LID
50	2P 3W	125	Calif. Standard	CS6360N	CS6361N	CS6370	CS6377	CS6377FL
50	2P 3W	250	Calif. Standard	CS8264N	CS8265N	CS8269	CS8275	CS8275FL
50	2P 3W	250 DC 600 AC	Replacement use only	3762N	3763N	3771	3777	3777FL
50	2P 3W	480	Calif. Standard	CS8464N	CS8465N	CS8469	CS8475	CS8475FL
50	3P 4W	125/250	Calif. Standard	CS6364N	CS6365N	CS6369	CS6375	CS6375FL
50	3P 4W	3Ø 250	Calif. Standard	CS8364N	CS8365N	CS8369	CS8375	CS8375FL
50	3P 4W	250 DC 600 AC	Replacement use only	3764N	3765N	3769	3775	3775FL
50	3P 4W	250 DC 600 AC	Replacement use only	7764N	7765N	—	7958	7958FL
50	3P 4W	3Ø 480	Calif. Standard	CS8164N	CS8165N	CS8169	CS8175	CS8175FL

**NEW!**

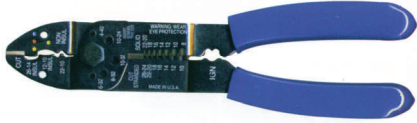
# HAND CRIMPERS AND CABLE CUTTERS

CRIMPS 22-8 GAUGE. 4 CRIMP NESTS



**NAT T-R-50**

**OUR PREMIUM HEAT SHRINK TERMINAL CRIMPER.**  
**CRIMPS 22-8 GAUGE RING TERMINALS, BUTT CONNECTORS AND QUICK DISCONNECTS WITHOUT DAMAGING THE SHRINK TUBING. ALSO CAN BE USED FOR STANDARD INSULATED TERMINALS.**



**NAT T-R-15**

MULTI-PURPOSE HAND TOOL

CRIMPS AND CUTS 26 THRU 10 GAUGE INSULATED AND UNINSULATED TERMINALS AND IGNITION TERMINALS.



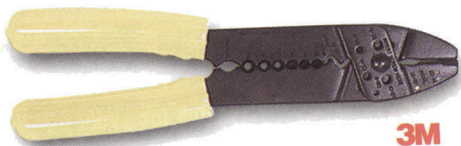
**THO WT-111M**

THE **STANDARD** IN THE INDUSTRY FOR CRIMPING 22 THRU 10 GAUGE UNINSULATED TERMINALS. WIRE CUTTER IS IN THE NOSE.



**THO WT-2000**

THE **STANDARD MULTI CRIMP & STRIPING TOOL.** 22 THRU 10 GAUGE INSULATED AND NONINSULATED TERMINALS. WIRE CUTTER IN THE NOSE AND STRIPPERS IN THE HANDLE.



**MMM TH-440**

**3M MULTI PURPOSE CRIMPER.** CUT, STRIP AND CRIMP 22-10 GAUGE INSULATED AND UNINSULATED TERMINALS. WIRE STRIPPERS IN THE HANDLE



**CON 1305**

CRIMPS 22-10 GAUGE INSULATED TERMINALS AND BUTT CONNECTORS. CRIMPS BOTH WIRE AND INSULATION GRIP IN ONE RATCHING CYCLE.



**CON 1306**

CRIMPS 22-10 GAUGE UNINSULATED OPEN BARREL TERMINALS. CRIMPS BOTH WIRE AND INSULATION GRIP IN ONE RATCHING CYCLE.



**CON 1308**

CRIMPS 22-12 GAUGE INSULATED TERMNALS, BEST CRIMP FOR INSULATED FEMALE AND MALE QUICK DISCONNECTS. CRIMPS BOTH WIRE AND INSULATION GRIP IN ONE RATCHING CYCLE.



**CON 1322**

CRIMPS 22-8 GAUGE UNINSULATED RING TERMINALS AND BUTT CONNECTORS. CRIMPS IN ONE RATCHING CYCLE.



**THO WT-112M**

THE **STANDARD** IN THE INDUSTRY FOR CRIMPING 22 THRU 10 GAUGE INSULATED AND UNINSULATED TERMINALS. WIRE CUTTER IN THE NOSE.

## CABLE CUTTER



**BEN UPB-41**

LARSCO 'S **PREMIUM** BATTERY CABLE CUTTER. EXCELLENT CLEAN CUTTING, FOR COPPER WIRE ONLY. FROM 10 GAUGE UP TO 2/0 GAUGE.



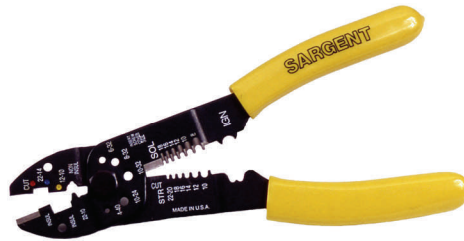
**NAT T-MTC-55**

BRASS CANISTER TORCH  
 SELF-IGNITING/2500°F  
 220 MINUTES/REFILLABLE



**NAT T-MTC-51**

PLASTIC CANISTER TORCH  
 SELF IGNITING/2500°F  
 120 MINUTES/REFILLABLE



**SAR 1020 CT**

**SARGENT 'S** MULTI-PURPOSE HAND TOOL CRIMPS 22-18 GAUGE INSULATED AND UNINSULATED RING TERMINALS, BUTT CONNECTORS, QUICK DISCONNECTS AND IGNITION TERMINALS. WIRE STRIPPERS IN THE HANDLE.

**NAT T-MT-4E**

MICRO BLASTER TORCH  
 SELF IGNITING/2400°F/REFILLABLE



# CRIMPERS

## BATTERY TERMINAL CRIMPERS



LAR 0280C

**COMPACT CRIMP MASTER** UNIVERSAL INDENT CRIMPER CRIMPS 8 THRU 1/0 GAUGE BATTERY TERMINALS AND LUGS. APPROXIMATELY 16 " .



LAR 0280

**CRIMP-MASTER** UNIVERSAL INDENT CRIMPER. CRIMPS 8 THRU 4/0 GAUGE BATTERY TERMINALS AND LUGS. APPROXIMATELY 25 " . BENCH MOUNT AVAILABLE.



**CON 1820**  
**BATTERY CABLE STRIPPER**  
STRIPS CABLE FROM .18 " TO 1.00 " IN DIAMETER.



LAR 0840C

**HAMMER TYPE** INDENT CRIMPER CRIMPS BATTERY TERMINALS AND LUGS FROM 8 THRU 4/0 GAUGE.



**CON 1828.1**  
**CABLE TIE GUN**  
FOR USE WITH OUR NYLON TIES UP TO .25 " . ADJUSTABLE TENSION AND AUTOMATIC CABLE TIE CUT OFF.

### HEX CRIMP-HEX CRIMP PRO CRIMPERS

THE HEX CRIMP BATTERY TERMINAL & LUG CRIMPER. CRIMPS 8 THRU 4/0 GAUGE BATTERY TERMINALS AND LUGS. ADJUSTABLE ROTATING COLOR CODED HEX DIES.

QUI 4258-001	34 " HEX CRIMP PRO
QUI 4255-001	26 " HEX CRIMP
QUI 4247-001	19 " HEX CRIMP JR.

19 "



### HEX CRIMP JR.

THE HEX CRIMP JR CRIMPS 8 THRU 1 GAUGE BATTERY TERMINALS AND LUGS. ADJUSTABLE ROTATING COLOR CODED DIES.

BENCH MOUNT MODELS AVAILABLE

**QuickCable**



34 "

**NEW**

26 "

## SARGENT



SAR 3138 CT

### WEATHER-PACK CRIMPER

CRIMPS 20 THRU 14 GAUGE MALE AND FEMALE TERMINALS AND SEAL IN ONE RATCHING ACTION. PROVIDING A DEPENDABLE CRIMP EVERY TIME.



DEL 12014012  
WEATHER-PACK

MALE AND FEMALE TERMINAL REMOVAL TOOL.



DEL 12094429

### METRI-PACK 150/280

MALE AND FEMALE TERMINAL REMOVAL TOOL.



SAR 3189 CT

### METRI-PACK 150-280

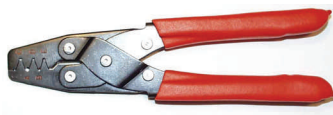
CRIMPS 20 THRU 14 GAUGE 150 AND 280 MALE AND FEMALE TERMINALS AND CABLE SEALS IN 4 CRIMP NESTS. PRECISE RATCHING ACTION ENSURES A DEPENDABLE CRIMP EVERY TIME.



SAR 3185 CT

### WEATHER-PACK CRIMPER

CRIMPS 12-10 GAUGE MALE AND FEMALE TERMINALS AND CABLE SEALS IN TWO SEPARATE NESTS. RATCHING ACTION ENSURES A DEPENDABLE CRIMP EVERY TIME.



SAR 1028 CT

### MULTI PURPOSE OPEN BARREL HAND TOOL

CRIMPS A WIDE VARIETY 14 THRU 24 GAUGE



SAR 3184 CT

### METRI-PACK 280 12-10 GAUGE

CRIMPS 12-10 GAUGE MALE AND FEMALE 280 TERMINALS IN 1 RATCHING ACTION, ASSURING A DEPENDABLE CRIMP EVERY TIME.



























CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS CRIMPERS

# LARSCO, INC.

15625 SE 90TH AVE  
CLACKAMAS, OR. 97015

1.800.421.6680 503.655.1931 FAX 503.656.6150

## Terminal Stud Size Chart

US/Inches			Stud Size			OUS/Metric			3M Terminal Hole Diameter
		Diameter			Diameter			Diameter	
#2		0.086" (2,144 mm)	M2		2,0 mm (0.080")			0.095" (2,4 mm)	
#4		0.112" (2,844 mm)	M2,5		2,5 mm (0.100")			0.120" (3,0 mm)	
#5		0.125" (3,175 mm)	M3		3,0 mm (0.120")			0.148" (3,8 mm)	
#6		0.138" (3,505 mm)	M3,5		3,5 mm (0.140")			0.148" (3,8 mm)	
#8		0.164" (4,166 mm)	M4		4,0 mm (0.176")			0.174" (4,4 mm)	
#10		0.190" (4,826 mm)	M5		5,0 mm (0.20")			0.200" (5,1 mm)	
1/4		0.250" (6,350 mm)	M6		6,0 mm (0.24")			0.265" (6,7 mm)	
5/16		0.3125" (7,938 mm)	M8		8,0 mm (0.32")			0.328" (8,3 mm)	
3/8		0.375" (9,525 mm)	M10		10,0 mm (0.40")			0.397" (10,1 mm)	
7/16		0.4375" (11,113 mm)	M10		10,0 mm (0.48")			0.450" (11,4 mm)	
1/2		0.500" (12,700 mm)	M12		12,0 mm (0.48")			0.515" (13,1 mm)	
5/8		0.625" (15,875 mm)	M16		16,0 mm (0.64")			0.656" (16,7 mm)	
3/4		0.750" (19,050 mm)	M18		18,0 mm (0.72")			0.781" (19,8 mm)	

Ref: ISO 263-1973 for inch stud sizes and ISO 262-1973 for metric stud sizes.

## American Wire Gauge

Size	Inches	Millimeters
4/0	0.4600	11,684
3/0	0.4096	10,040
2/0	0.3648	9,266
1/0	0.3249	8,253
1	0.2893	7,347
2	0.2576	6,543

Size	Inches	Millimeters
4	0.2043	5,189
6	0.1620	4,115
8	0.1285	3,264
10	0.1019	2,588
12	0.0808	2,052
14	0.0641	1,628

Size	Inches	Millimeters
16	0.0508	1,290
18	0.0403	1,024
20	0.0320	0,813
22	0.0253	0,643
24	0.0201	0,511
26	0.0159	0,404