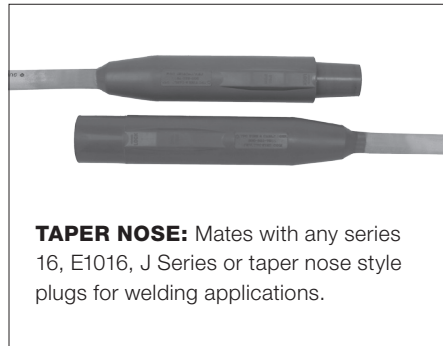


Molded Assemblies for Welding & Temporary Power Applications

See Page 268 To Build Your Own Molded Connector Assemblies.



BALL NOSE: Mates with any series 18, E1018 Series or ball nose style plugs for welding applications.



TAPER NOSE: Mates with any series 16, E1016, J Series or taper nose style plugs for welding applications.

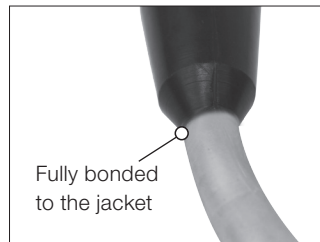
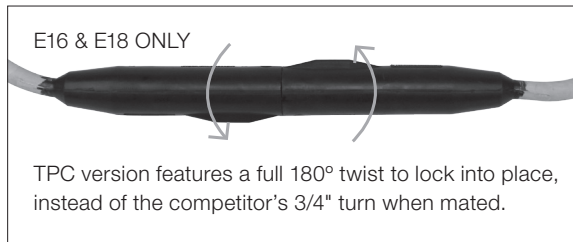


TPC MOLDED LOCKING CONNECTOR: Mates with any series 22, E1022 Series.
(Patent No.: US 9,425,574 B2)

FEATURES & BENEFITS

- 1. SUPER-TREX® WELD CABLE** — First line defense against oils, ozone, and UV exposure as well as most chemicals. Extreme all weather flexibility. Proven performance lasts up to 8 times longer than standard weld cables.
- 2. COMPLETELY MOLDED DESIGN** — All rubber construction reduces cable stress and provides an environmental seal between the cable and the connector head.
- 3. MOLDED LOCKING ASSEMBLIES “PA22”** — This is a fully molded design, providing a complete bond between the cable jacketing and connector head. The molded locking connector has been “pull tested” to 2,000 lbs. and contains a safety feature to prevent unintended disconnection. To disconnect, depress the safety release, execute one quick turn, and the connector can easily be changed out.

- 4. MOLDED SINGLE POLE ASSEMBLIES** — PA16 “Taper-Nose”, PA18 “Ball-Nose”, and PA22 “TPC Locking” connections are fully molded and bonded to the cable, providing an environmental seal which protects the connection from dust, dirt, water, and chemicals while reducing cable stress. This process eliminates cable “pull back” from the connection. Available in a variety of cable sizes.
- 5. MATED CONNECTION PROVIDES A CORK AND BOTTLE SEAL** — Forms a water, oil and dust resistant seal, protects the connection from contamination.
- 6. QUICK DISCONNECT** — Quick turn disconnect system, provides a secure connection. Compatible with Series 16 Taper Nose, Series 18 Ball Nose and Series 22 Locking.



APPLICATIONS

- Motor & Generator Applications
- Construction Sites
- Government Shipyards
- Commercial and Navy Shipbuilding and Repair Sites
- Welding Ground Cables
- Temp. Power for Concerts, Carnivals, Conventions, Theme Parks, etc.
- Utility Applications
- Mining Applications
- Ship to Shore Power

MOLDED HEAD COLORS	
• Yellow (Standard)	• Blue
• Black	• Green
• Red	• Orange
• White	• Brown

ACCESSORIES (Call for pricing & availability)



MALE PANEL MOUNT RECEPTACLE



MALE PANEL MOUNT RECEPTACLE PLUG



FEMALE PANEL MOUNT RECEPTACLE



FEMALE PANEL MOUNT RECEPTACLE CAP

Build Your Own Molded Connector Assemblies

The chart below lists components with which to “build” the exact assembly needed. Begin at left with the first column. Write a “PA” or “WA” in the box at the top of the column. From the next column, identify the series. Write the appropriate letter in the box at the top of the column. Select components from all remaining columns, writing the desired letters or numbers chosen in the box at the top of each column.

1	2	3	4	5	6	7	8		
TYPE	SERIES	END 1	END 2	CABLE PART NO.	UNIT OF MEASURE	LENGTH	HEAD COLOR	CABLE MGMT	
PA	16	M	F	86317	F	100	YL	K8	
PA = Power Assembly (provided with caps)	16 = Taper Nose	M = Male F = Female	M = Male F = Female	If ball or taper nose assembly, use TPC cable part number sized for 2 AWG to 4/0.	M = Meters F = Feet A = Inches	Enter a three digit code in the box above. EXAMPLE: 5 = “005” 50 = “050” 500 = “500”	YL = Yellow (Standard)	Optional: K8 = Pre-Loaded on #12008 K-Kart BK = Black	
	18 = Ball Nose	S = Shoo-Pin	S = Shoo-Pin				RD = Red		K8BW = Pre-Loaded on #12008 -bw K-Kart
WA = Power Assembly (no caps)	22 = Molded Locking Connector	1H = 1 Hole Lug ½” Hole Size	1H = 1 Hole Lug ½” Hole Size	If molded locking assembly, use TPC cable part number sized for 2/0 to 500 MCM.			WH = White	K9 = Pre-Loaded on #12009 K-Kart	
	LL = Lug to lug assembly (use with WA only)	2H = 2 Hole NEMA Lug ½” Hole Size	2H = 2 Hole NEMA Lug ½” Hole Size				BL = Blue		GN = Green
		O = None	O = None				BN = Brown		OR = Orange

In the sample part number above, **PA16MF86317F100-YL** is a taper nose style power assembly, male to female molded plugs with 100 feet of 86317 (Super-Trex® 4/0 600 Volt Welding Cable) with yellow heads.

Lug Terminations



TPC has the capability to crimp all single, double, and 4 hole lugs to our flexible high strand count cable. We have the proper tooling and expertise needed to crimp the lugs you need. Let us know if you need custom platings or hole sizes and we can design a custom assembly.

- Crimp connectors ranging from 10 AWG – 750 MCM
- Custom cutting to specified lengths
- Custom marking and packaging
- Custom terminations for Low Voltage 2000V and below. For higher voltage terminations, check out our medium voltage section.

Cable Stranding Adapter



Sometimes when terminating cable, flex stranded cable is not what your equipment is rated for. TPC offers an adapter that converts our high flex stranded cable to a coarse stranded product. You can use our highly durable flexible cable and still properly tie it into your equipment.