

Custom Solutions

Molded Single Pole Power Assemblies

Molded Single Pole Power Assemblies are offered in three different varieties – the PA16 Taper Nose, the PA18 Ball Nose, and the PA22 Molded Locking Connector. They can be molded in many colors to fit the requirements of your application. Optional closure caps can be included, if required. All connectors are fully overmolded to the cable jacket to provide excellent environmental protection in ship-to-shore, temporary power, and welding applications.



Ratings IP69K 600V 690A, PA22 only 400A, PA18 and PA16 only

Performance Characteristics ✓ Tensile Pull Strength: 2,000 lbs. PA22 only ✓ UV Resistant

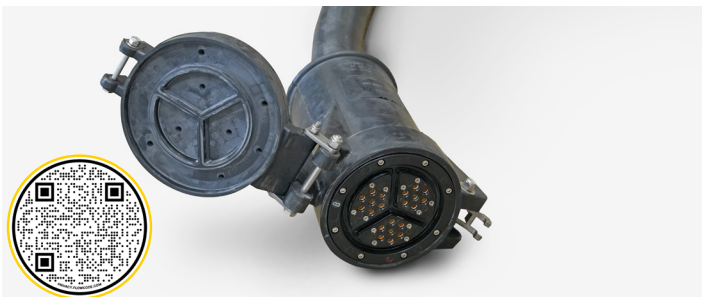
Features & Benefits

- ATPC Super-Trex® Cable**
Offers superior first-line defense against tearing, abrasion, impact, oil, ozone, and most chemicals. Flame and heat-resistant. Extreme all-weather flexibility.
- Vulcanized Rubber Overmold**
Reduces cable stress and provides an environmental seal between the cable and the connector head. Can be molded in any color.
- Cam Lock Connection**
Provides a secure connection with the ability to mate and disconnect quickly.
- Double Set Screw Crimp Contact**
Provides connection integrity and allows use for cable size up to 500 MCM.
- Universal Mating**
Mates to any E1016, E1018 or E1022 series specification.

Custom Solutions

MIL-C-24368/1 Shore Power Assemblies

MIL-C-24368/1 Shore Power Assemblies are specialized electrical systems that securely link marine vessels to shore power sources. Designed for marine challenges, they provide weather resistance, corrosion protection, and reliable insulation. Enabling efficient electricity transfer while docked, they diminish the need for onboard generators, curbing emissions and noise at ports. A vital component for eco-friendly maritime operations.



Ratings MIL-C-24368/1 Three-Phase 500V 500A 60Hz

Features & Benefits

- ATPC Enhanced Plus THOF Ship-To-Shore Power Cable**
Engineered to offer enhanced durability against abrasion, sunlight, and varying weather conditions, while maintaining flexibility throughout both summer and winter environments.
- Potted Connector Backend**
Offers increased robustness at the junction to withstand rain, moisture, salt spray, sunlight, and freezing conditions.
- Quick Disconnect**
Connections feature a minimal insertion force, a brief engagement span, and reduced contact resistance to facilitate safe and effortless mating.
- Customized Adapter Options**
Capable of being paired with ATPC's PA22 Molded Locking Connector, ensuring a dependable connection and disconnection to shore-supplied electrical power.

Custom Solutions

Molded Power Splitters

ATPC provides an extensive selection of custom-designed compression transfer-molded cable splitters, tailored to suit the unique requirements of each application. These solutions cater to both single and multiple conductor options across various gauge sizes, engineered to withstand the most demanding conditions. We offer the choice of blunt-cut cables or can incorporate the necessary connectors to align with your specific application.



Features & Benefits

- ATPC Super-Trex® Cable**
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- Vulcanized Rubber Overmold**
Reduces cable stress and provides an environmental seal between the cable and conductor terminations. Can be molded in any color.
- Fully Customizable**
Can be molded with single or multiconductor cables up to 1.75" OD. Leads can be connectorized to meet specifications and reduce installation cost.

Custom Solutions

Oval Power Assemblies

The rugged Oval Power Assembly is built with our Super-Trex® Type W Power Cable which provides a superior first line of defense against cutting, tearing, abrasion, and impact. The standard pin and sleeve configuration is interchangeable with most standard connectors. The rubber collar molded at the base of the male pins forms a “cork seal” connection when plugged into a matching unit from Amphenol TPC Wire & Cable. This seal reduces carbon arcing and insures ingress protection against dust and liquids.



Ratings 600V Max Conductor Temperature 90°C

Performance Characteristics

- ✓ Operating Temperature: -40°C to 90°C
- ✓ All Weather Usage
- ✓ UV Resistant
- ✓ Not Polarized
- ✓ Bend Radius of Super-Trex® Type W Portable Power & Automation Cable: (Static) 6x Cable OD, (Dynamic) 8x Cable OD

Engineered to Resist

- Flexing
- Abrasion
- Tension
- Chemicals

Features & Benefits

Super-Trex® Type W Power Cable

Superior first line defense against cutting, tearing, abrasion and impact. Extreme all-weather flexibility. Flame and heat resistant. Available in Black or Yellow cable.

100% Transfer Molded TSE Plug and Connector Body

“No pressure” process prevents induced stresses. Body integrity and complete bonding mean longer life.

Rubber Collar Molded at Base of Male Pins

Forms a “Cork Seal” when plugged into a ATPC matching unit. Provides dust and liquid protection and reduces carbon arcing.

Rotating Safety Chain Collar

Bearing action will not cut through cable when twisted or flexed.

Standard Pin and Sleeve Configuration

Interchangeable with most standard connectors now in use.

Brass Pins and Contact Sleeves

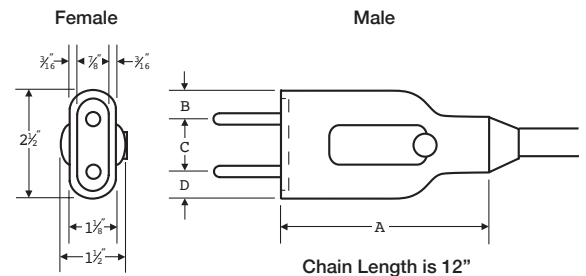
Ensures a positive electrical connection.

Ordering Information For complete product ordering information, please scan the QR Code or contact your ATPC sales representative

Part No.	Configuration (AWG/Conductor Count)	Assembly Length (ft.)	Plug Configuration	Standard Pin Size	Ampacity	Cable Color	Safety Chain (12")
85520	6/2	6	Male/Female	5/16"	65	Black	Yes
85520Y	6/2	6	Male/Female	5/16"	65	Yellow	Yes
85521	6/2	6	Female	5/16"	65	Black	No
85521Y	6/2	6	Female	5/16"	65	Yellow	No
85526	6/2	85	Female	5/16"	65	Black	No
85527	6/2	100	Female	5/16"	65	Black	No
85540	6/2	6	Male	5/16"	65	Black	Yes
85540Y	6/2	6	Male	5/16"	65	Yellow	Yes
85530	2/2	6	Male/Female	3/8"	100	Black	Yes
85530Y	2/2	6	Male/Female	3/8"	100	Yellow	Yes
85531	2/2	6	Female	3/8"	100	Black	No
85532	2/2	6	Male	3/8"	100	Black	Yes

Custom offerings available for multiple pin configurations, polarization, and stainless-steel braided cable protection

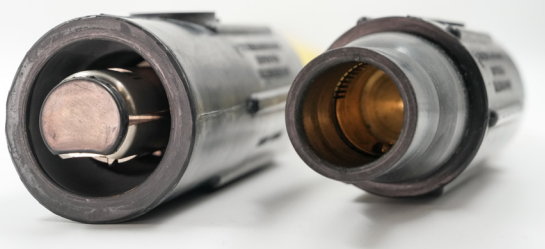
Dimension	Configuration			
	2/2 Male	2/2 Female	6/2 Male	6/2 Female
A	5-1/8"	5-3/8"	4-7/16"	4-7/8"
B	9/16"	-	9/16"	-
C	1-3/8"	-	1-3/8"	-
D	9/16"	-	9/16"	-



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