



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**

**TPC 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**

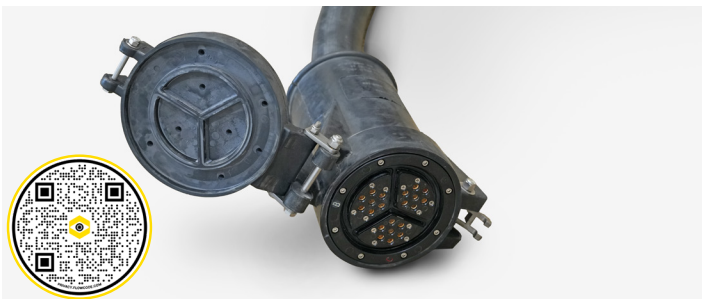
Provides a secure connection with the ability to mate and disconnect quickly.

**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.



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## 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**

**TPC 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 TPC's PA22 Molded Locking Connector, ensuring a dependable connection and disconnection to shore-supplied electrical power.



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## Molded Power Splitters

TPC 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**

**TPC 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 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.