

## SPOTLIGHT ON

# CIRCULAR PLASTIC CONNECTORS

- Meet both power and signal I/O requirements in one connector solution
- Support cost effective rugged designs with lightweight, all-plastic shells



Discover new opportunities with TE Connectivity's circular plastic connectors (CPC). These rugged, cost-effective and reliable connectors can be used virtually anywhere signal and/or power is needed.

The circular configuration uses space efficiently creating an optimized design with various mounting options. Our circular plastic connectors provide solutions for a wide range of applications to meet all your needs, saving you time, space and money.

### BENEFITS

- Provide one I/O connector solution with mixed power and signal contacts
- Ideal for harsh environments with UL94V-0 stabilized heat resistant plastic housings
- Available with IP65 or IP67 sealing for use where moisture and debris are prevalent
- Efficient field repair achieved by removable contacts and replaceable coupling ring
- Support cost effective designs with light-weight, rugged, all-plastic shells
- Easily mate and unmate with quick connect/disconnect capability

### ELECTRICAL

- 7.5A to 60A current rating, depending on Series type, wire gage and contact selection
- Power, signal or hybrid configurations available

### MECHANICAL

- Quick connect/disconnect capability with thread assist, positive detent coupling
- Built-in pin and socket protection
- Polarized for proper mating of connector halves

### MATERIALS

- Lightweight, all-plastic and metal-shell connectors
- UL 94V-0 rated and made of stabilized, heat resistant, self-extinguishing thermoplastic material

### APPLICATIONS

- Industrial Machinery
- Factory Automation
- Material Handling Equipment
- Rail/ Transit Vehicles and Systems
- Medical Instrumentation & Equipment
- Communication Equipment
- Networking
- Data Storage
- Computers
- HVAC
- Commercial and Building Equipment
- Lighting and Signage
- Motor Vehicles - Auto/bus/truck; off-road and recreational vehicles; agricultural machinery; construction equipment

### STANDARDS & SPECIFICATIONS

- UL Recognized, File No. E28476
- CSA Certified, File No. LR7189
- VDE Standard 0627

### LEARN MORE

[CPC Overview Page](#)  
[CPC Catalog \(Sections 1-5\)](#)  
[CPC Catalog \(Sections 6-9\)](#)  
[CPC Product Presentation](#)  
[UV Resistant Sealed CPC Data Sheet](#)