

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
- Now offering housings using UL F1 - rated material & environmental sealing, excellent for UV resistance



Discover new opportunities with TE Connectivity's (TE) Circular Plastic Connectors (CPC). These rugged, cost-effective and reliable connectors can be used in a wide range of applications that require signal and/or power.

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

BENEFITS

- Provide one I/O connector solution with mixed power and signal contacts
- Excellent 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 machinery designs with light-weight, rugged, all -plastic shells
- Easily mate and unmate with quick connect/disconnect capability
- Broad range of accessories available

ELECTRICAL

- 7.5A to 60A current rating, depending on series type, wire gauge 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, high strength, heat resistant, self-extinguishing
- UL F1 rated material for UV resistance in outdoor applications

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 O627

LEARN MORE

[CPC Overview Page](#)

[CPC Catalog](#)

[CPC Product Presentation](#)

[UV Resistant Sealed CPC Data Sheet](#)