

INTRODUCING M12 RAIL CABLE CONNECTORS

- Reduce service time and cost with easier access to thread grip
- Reach up to 10 Gb/s connections with a high speed rugged industrial connection



TE Connectivity's (TE) newly expanded M12 connector system, designed for railway (EN45545) and automation industry applications, provides a solution that safely and reliably helps ensure communication in harsh environments. With an IP67 rating and compliance that meet essential rail standards, this rail engineered product is fast to assemble in the factory or in the field. TE's crimp flange technology and machined crimp contacts provide 360° EMI/RFI shielding as well as torsion and vibration proof cable strain relief.

The M12 bulkhead connectors, with the fully shielded housing, are pre-assembled. For the secure automatic wave soldering process of the conductors, versions with pre-assembled wire clip are available.

BENEFITS

- Reduce installation time, compared to gland sealed connectors, with easy-to-use field installable technology
- Reduce service time and cost with easier access to thread grip
- Reach up to 10 Gb/s connections with a high speed rugged industrial connection
- Design for applications exposed to harsh environments and extreme temperatures

APPLICATIONS

- CCTV
- Door controls
- Passenger information systems
- Inverter/converter control
- Train management
- Wayside control

ELECTRICAL

- Current Rating: A-5 / D-4 : 4 Amp A-8 : 2 Amp
- Operational Voltage: A-5 / B-5 / D-4 : 50 V DC A-8 : 30 V DC
- Contact Resistance: < 5 mΩ
- Insulation Resistance: > 100 MΩ

MATERIALS

- IP Rating: IP67
- Mating Cycles: > 200 mating Cycles

MECHANICAL

- Temperature Range: - 40 °C to 85 °C
- IP Rating: IP67

STANDARDS & SPECIFICATIONS

- IEC 11801:2002
- EN 61373 Class 1
- Fire Performance NFF16101, NFF16102, EN45545
- EN60529 IP67 rating

LEARN MORE

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[M12 Connectors Field Installation Video](#)

[M12 Rail Cable Connectors Parts List](#)