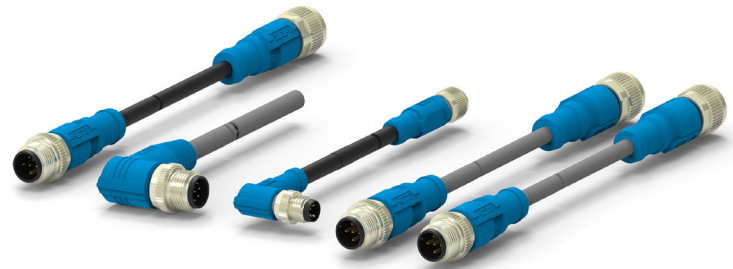


# INTRODUCING SENSOR/ACTUATOR M8M12 CABLE ASSEMBLIES

- Higher reliability with IP67 application and pre-wired connector sets to prevent false wiring and ensure robust connection
- Reduce downtime in harsh environments with reliable industry standard solution of quick-to-install cable assemblies



TE Connectivity(TE) now offers over 2000 parts of M8M12 Cable Assemblies that safely and reliably ensure communication in harsh industrial applications. With M8M12 circular connectors over-molded to a cord set, they provide a ready-to-plug solution for versatile systems to be quickly and easily established. Along with the connector configurations, the range of the M8, M12 over-molded cable assemblies are further enhanced with a wide selection of jacketed cable materials based on the application needs. Besides standard cable lengths, customized assemblies can also be produced with more specific cable lengths and physical properties.

## KEY FEATURES

- Overmolded PVC or PUR cable assemblies/Shielded & non shielded versions
- M8 & M12 single ended cable assemblies
- M8 & M12 double ended cable assemblies
- M8 to M12 cable assemblies
- Cable length options: 0.5 m, 1 m, 1.5 m, 3 m, 5 m, 7 m, and 10 m

## BENEFITS

- Higher reliability with IP67 application and pre-wired connector sets to prevent false wiring and ensure robust connection
- Reduce downtime in harsh environments with reliable industry standard solution of quick-to-install cable assemblies
- Full solution offering including customized and general market cable assemblies enables 1-stopshopping and reduced TCO

## APPLICATIONS

- Industrial Communications
- Industrial Machinery
- Industrial Automation
- Robotics

## MATERIALS

- Contact: Brass, Gold Flash Plating
- Nut: Brass, Nickel plating
- O-ring: Silicon rubber
- Spring: Stainless steel
- Over-molding: TPU
- Housing: PA
- M8/M12 Cable: 22/24 AWG, 2/3/4/5/8 core, with or without Foil, Drain, Braid Shield RoHS; Cable Jacket material: PVC or PUR

## MECHANICAL

- Durability: 100 cycles
- Degree of protection: IP67
- Temperature Ratings:
  - PVC:
    - Fixed: -40°C to +80°C
    - Flexible: -25°C to +80°C
  - PUR:
    - Fixed: -10°C to +80°C
    - Flexible: -5°C to +80°C

## ELECTRICAL

- Voltage rating
  - M12: 30V/60V/250V
  - M8: 30V/60V
- Current rating
  - M12 A Coding: 2A/4A
  - M8: 3A
- Insulation Resistance: 100MΩ Min.

## STANDARDS & SPECIFICATIONS

- Product Specification: 108-106140
- Application Specification: 114-137144
- UL Approved
- IEC Approved

## LEARN MORE

[Sensor Actuator M8/M12 Cable Assemblies Flyer](#)  
[Sensor Actuator M8/M12 Cable Assemblies Parts list](#)  
[Sensor Actuator M8/M12 Cable Assemblies Product Page](#)