

M12 to M12 Ethernet Cable Assembly

Suitable for use in industrial Ethernet and external interconnection of electronic equipment. They can be used in EtherCAT and EtherNet/IP systems and are suitable for flexible use and indoor installation.



Product Overview

Industrial Connectivity Solution

The M12 to M12 Ethernet Cable Assembly is engineered for reliable data transmission in demanding industrial environments. Featuring a robust shielded design and CAT5e performance, it ensures immunity against electromagnetic interference. With flexible jacket options and an IP67 protection rating, this assembly is ideal for connecting sensors, actuators, and industrial devices.

Technical Specifications

Protection Classification

IP67

Characteristic Impedance

100 ©

Impedance

Minimum Bending Radius

Application Type	Radius
Fixed Application	8D
Occasional Movement	15D

Reference Standards

ANSI/TIA-568-C.2, IEC61076-1-101, IEC60332-1

Environmental Data

Temperature Range (Fixed)

Material	Temp Range
PVC	-20°C to 70°C
LSZH/PUR	-40°C to 80°C

Temperature Range (Installation)

Material	Temp Range
PVC/LSZH	-5°C to 60°C
PUR	-20°C to 80°C

Cable Construction

Materials & Design

- Conductor: Stranded copper wire
- Insulation: PE
- Shielding: AL/Mylar screen and tinned copper wire braid
- Jacket Materials: PVC, LSZH, PUR
- Connector Type: 4 pole M12 (both ends)
- Jacket Color: Black

Key Performance Features

CAT5e Performance, EMI Resistant, Flame Resistant, Flexible