

# M8 to RJ45 Industrial Ethernet Cable Assembly

This cable assembly is designed for industrial Ethernet applications and the external interconnection of electronic equipment. It is suitable for flexible use and indoor installation, including EtherCAT and EtherNet/IP systems.



## Product Overview

### Industrial Ethernet Connectivity

This M8 to RJ45 cable assembly is designed for reliable data transmission in demanding industrial environments. Featuring a 4-pole M8 connector on one end and a standard RJ45 connector on the other, it offers a space-saving and rugged solution for industrial Ethernet networks. The assembly provides excellent resistance to electromagnetic interference (EMI) and supports flexible application requirements with various jacket materials and lengths.

## Technical Specifications

### Protection Classification

<b>67 IP</b> M8 Connector	<b>20 IP</b> RJ45 Connector
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### Performance Standard

CAT5e

### Characteristic Impedance

100  $\Omega$

### M8 Coding

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## Construction & Materials

### Construction Materials

Component	Material
Conductor	Stranded copper wire
Insulation	PE
Shielding	AL/Mylar screen and tinned copper wire braid
Jacket Options	PVC, LSZH, PUR

## Operating Conditions

### Temperature Range (Fixed)

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

### Temperature Range (Installed)

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

### Minimum Bending Radius

- Fixed Application: 8D (D=cable diameter)
- Occasional Movement: 15D (D=cable diameter)

## Features

### Key Features

Flame Resistant (IEC60332-1), EMI Resistant, Long Service Life, Flexible