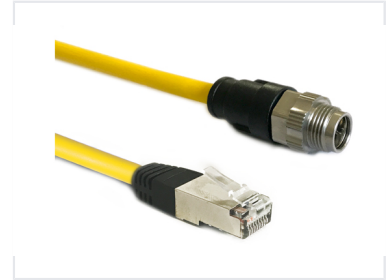


# M12 X-Coded to RJ45 CAT6A Ethernet Cable

This CAT6A patch cord is suitable for automation technology and industrial applications, including the external interconnection of electronic equipment. It is designed for flexible use and indoor installation in EtherCAT, EtherNet/IP, and CC-link IE systems.



## Product Overview

### Industrial Ethernet Connectivity

This high-performance patchcord features an M12 X-coded connector on one end and a standard RJ45 connector on the other, designed specifically for robust data transmission in harsh environments. It offers excellent stability, shock resistance, and protection against electromagnetic interference (EMI). Ideal for automation and robotics, this CAT6A cable ensures reliable signal integrity and long service life.

## Technical Parameters

### Characteristic Impedance

**100** ©

Impedance

### Protection Classification

Connector Type	Rating
M12	IP67
RJ45	IP20

### Coding

X-Coded

## Temperature Range

Fixed Application (PVC)	-20 to 70
Fixed Application (LSZH/PUR)	-40 to 80
Installation (PVC/LSZH)	-5 to 60
Installation (PUR)	-20 to 80

## Cable Construction

Conductor	Stranded copper wire
Insulation	Foamed PE
Shielding	AL-Mylar individual screened and tinned copper wire braid
Jacket Materials	PVC, LSZH, PUR

## Mechanical Properties

### Key Performance Features

- Waterproof
- Shockproof
- Resistant to external EMI
- CAT6A Performance

Minimum Bending Radius	8D (D=cable diameter)
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Flame Resistance Standard	IEC60332-1
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