

# CAT5e RJ45 to RJ45 Ethernet Cable Assembly

This CAT5e patch cable is designed for automation technology and industrial environments. It facilitates external connections for electronic equipment and supports EtherCAT, EtherNet/IP, and CC-link IE systems.



## Product Overview

### High-Performance CAT5e Connectivity

This CAT5e RJ45 to RJ45 Ethernet cable assembly is engineered for reliable, high-speed data transmission in professional networking environments. Constructed with stranded copper conductors and a robust shielding system, it offers excellent resistance to external electromagnetic interference. Designed for versatility and durability, this cable supports flexible installation requirements and is suitable for a wide range of Ethernet-enabled devices.

## Technical Specifications

### Protection Classification

IP20

### Characteristic Impedance

100  $\Omega$

### Reference Standards

ANSI/TIA-568-C.2, ISO/IEC11801

## Cable Construction

### Materials

- Stranded copper conductor
- PE Insulation
- AL/Mylar screen
- Tinned copper wire braid

### Jacket Materials

PVC, LSZH, PUR

## Temperature Ratings

### Fixed Application Temp

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

### Installation Temp

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

## Mechanical Properties

### Minimum Bending Radius

**8 D**

Fixed Application

**15 D**

Occasional Movement

### Flame Resistance Standard

IEC60332-1