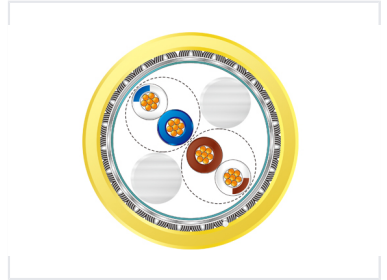


Industrial Ethernet EtherCAT Cable

This cable is widely used in industrial Ethernet applications such as machines, equipment, instruments, and control panels. It is suitable for fixed applications or occasional movement and offers electrical performance according to CAT5e.



Product Overview

High-Performance Industrial Connectivity

This Industrial Ethernet EtherCAT cable is engineered for demanding automation and robotics environments where reliable, high-speed communication is critical. Designed with superior signal integrity and robust electromagnetic interference (EMI) protection, it ensures consistent data transmission. The cable is available with versatile jacket options, including PUR for extreme resistance to oil, abrasion, and hydrolysis, making it suitable for harsh industrial conditions.

Electrical Specifications

Test Voltage

2000 V/min

Test Voltage

| | |
|--------------------------|--------------|
| Characteristic Impedance | 100 Ω |
| Conductor DCR (20°C) | d600m |

Mechanical & Environmental

Temperature Ranges

| Application Type | PVC / LSZH | PUR |
|---------------------|--------------|--------------|
| Fixed Application | -40°C ~ 80°C | -40°C ~ 80°C |
| Occasional Movement | -5°C ~ 70°C | -20°C ~ 70°C |

Minimum Bending Radius

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

Construction

Materials & Construction

- Conductor: Stranded copper wire
- Insulation: PE
- Shield: AL / Mylar wrapped and tinned copper braiding
- Jacket Options: PVC, LSZH, PUR

Features & Compliance

Key Features

Flame resistant (IEC60332-1), EMI resistant, Halogen free (LSZH), Low smoke (LSZH), Oil resistant (PUR), Abrasion resistant (PUR), Hydrolysis resistant (PUR)