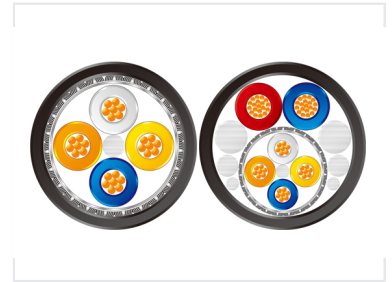


Ethernet EtherCAT PoE Industrial Cable

This cable is widely used in industrial Ethernet applications such as machines, equipment, instruments and control panels. It combines power and data within one cable and is suitable for flexible installation.



Overview

Industrial Connectivity Solution

This Ethernet EtherCAT PoE Industrial Cable is engineered for demanding automation and robotics environments. By combining power and data transmission into a single, robust cable, it significantly reduces cabling space and installation costs. The PUR jacket ensures long-term reliability by providing excellent resistance to oil, abrasion, and hydrolysis, making it suitable for harsh industrial conditions.

Electrical Specifications

Test Voltage

2000 V/min (AC)

Test Voltage

Nominal Voltage Ratings

Conductor Size	Max Voltage
22AWG / 24AWG	d48VDC
0.75mm ²	d90VDC
1.5mm ²	d85VDC

Characteristic Impedance

100 Ω

Mechanical & Environmental

Temperature Range

Application	Temperature
Fixed Application	-40°C ~ 80°C
Moved Application	-5°C ~ 70°C

Minimum Bending Radius

- Fixed Application: 8D
- Flexible Application: 15D

Construction

Cable Construction Materials

- Conductor: Stranded copper wire
- Insulation: PE (22AWG/24AWG), PVC (0.75mm²/1.5mm²)
- Shield: AL/Mylar wrapped with tinned copper braiding
- Jacket: PUR

Features

Key Features

Flame Resistant (IEC60332-1) • Oil Resistant • Abrasion Resistant • Hydrolysis Resistant • PoE Compatible • EtherCAT Compatible