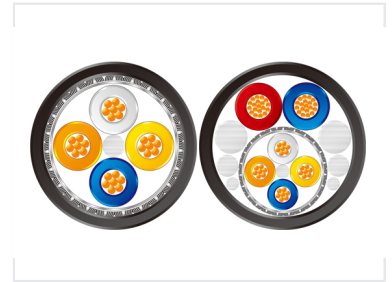


# Ethernet EtherCAT PoE Industrial Cable

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 <sup>2</sup>	d90VDC
1.5mm <sup>2</sup>	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 (0.75mm<sup>2</sup>/1.5mm<sup>2</sup>)
- 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