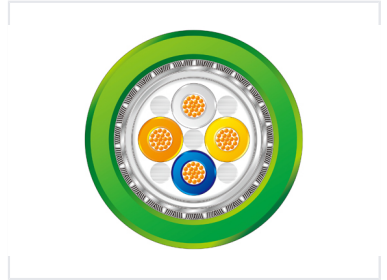


Industrial Ethernet PROFINET Cable Type C

This cable is designed for PROFINET and widely used in industrial Ethernet fields, such as machines, equipment, instruments and control panels. It is very suitable for drag chains and frequent movement, with electrical performance according to CAT5e.



Overview

Industrial Ethernet PROFINET Cable Type C

This high-performance communication cable is specifically engineered for industrial Ethernet and PROFINET applications requiring Type C connectivity. It features a robust, multi-shielded construction that ensures reliable data transmission even in demanding electromagnetic environments. Designed for durability, the cable offers excellent resistance to oil, abrasion, and hydrolysis, making it an ideal choice for complex industrial automation setups.

Technical Parameters

Temperature Range

Application	PVC Range	PUR Range
Fixed	-40°C ~ 80°C	-40°C ~ 80°C
Moved	-5°C ~ 70°C	-20°C ~ 70°C

Electrical Specifications

2000 V/min

Test Voltage

100 Ω

Characteristic Impedance

60 Ωm

Max Conductor DCR (20°C)

Minimum Bending Radius

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

Construction

Construction Materials

- Conductor: Stranded tinned copper wire
- Insulation: PE (White, Yellow, Blue, Orange)
- Inner jacket: PVC FRNC
- Shielding: AL/Mylar wrapped and tinned copper braiding
- Outer Jacket: PVC / PUR (Green, RAL 6018)

Features

Key Features

Flame resistant (IEC60332-1), EMI resistant, High flexibility, Oil resistant, Abrasion resistant, Hydrolysis resistant