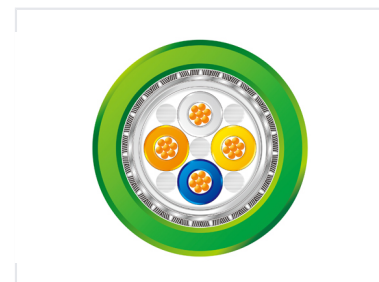


Industrial Ethernet PROFINET Cable

This cable is designed for PROFINET and widely used in industrial Ethernet fields, such as machines, equipment, instruments, and control panels. Its electrical performance conforms to CAT5e standards and is suitable for fixed or flexible applications.



Overview

Industrial Ethernet Solution

This high-performance Ethernet cable is specifically engineered for PROFINET applications, ensuring reliable data transmission in demanding industrial environments. It features robust construction with multi-layered shielding to provide excellent immunity against external electromagnetic interference. Designed for longevity and safety, the cable offers flame resistance and, in its FRNC variant, halogen-free, low-smoke properties for enhanced protection.

Electrical Specifications

Test Voltage	2000 V
Characteristic Impedance	100 Ω
Conductor DCR (20°C)	60 Ω /m

Mechanical Specifications

Min Bending Radius (Fixed)	8D (D = cable diameter)
Min Bending Radius (Occasional)	15D (D = cable diameter)

Temperature Range

Temperature Ratings

Application	PVC Range	FRNC Range
Fixed	-20°C ~ 70°C	-40°C ~ 80°C
Occasional Movement	-5°C ~ 60°C	-5°C ~ 70°C

Construction

Materials & Construction

- Conductor: Stranded tinned copper wire
- Insulation: PE
- Inner Jacket: PVC / FRNC
- Shield: AL/Mylar wrapped and tinned copper braid
- Outer Jacket: PVC / FRNC

Jacket Color	Green (RAL 6018)
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Features

Key Features

Flame Resistant (IEC60332-1) • EMI Resistant • Halogen Free (FRNC) • Low Smoke (FRNC)