



Product: [323076F](#)

Fieldbus, 1 Pr #18 Str TC, PP ins, OS, PVC Jkt, AIA Armor, CPE Jkt, ISA/SP-50 Type A, PLTC, CM

Product Description

Fieldbus, 1 Pair 18AWG (7x26) Tinned Copper, PP insulation, Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, CPE Outer Jacket, ISA/SP-50 Type A, PLTC, CM

Technical Specifications

Product Overview

Suitable Applications:	exposure to rodent, crush, or cut through force, harsh environment digital and serial two-way communication, oil and gas extraction and refining sites, petrochemical, Profibus process automation or Foundation FieldBus process automation, extreme temperature environments, exposure to humidity/moisture, dust, and oil, remote locations long distance applications, etc.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PP - Polypropylene	0.022 in (0.56 mm)	Blue & Orange

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Inner Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.280 in (7.11 mm)

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
CPE - Chlorinated Polyethylene	0.045 in (1.1 mm)	0.585 in (14.9 mm)

Overall Cable Diameter (Nominal):	0.585 in (14.9 mm)
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Electrical Characteristics

Electricals

Element	Nom. Characteristic Impedence	Nom. Velocity of Prop.
Pair(s)	100 Ohm	66%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating

300 V (CM, PLTC)

Mechanical Characteristics

Temperature

UL Temperature

105°C

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CMG HLBCD
Other Standard Compliance(s):	ISA/SP-50 Type A

History

Update and Revision:	Revision Number: 0.51 Revision Date: 02-15-2024
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