



Product: [153076F](#)

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

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	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
CST - Corrugated Steel Tape

Outer Jacket		
Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in (1.3 mm)	0.430 in (10.9 mm)

Overall Cable Diameter (Nominal):	0.430 in (10.9 mm)
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Electrical Characteristics

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

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating
300 V (PLTC)

Mechanical Characteristics

Temperature

UL Temperature
105°C

Standards and Compliance

NEC / UL Compliance:	Article 725, PLTC
Other Standard Compliance(s):	ISA/SP-50 Type A

History

Update and Revision:	Revision Number: 0.47 Revision Date: 05-31-2024
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