



Product: [973076Z](#)

Fieldbus, 1 Pr #18 Str TC, PP Ins, OS, LSZH-TS Jkt, Brnz Brd Armor, LSZH-TS Jkt, CMG ISA/SP-50 Type A, PLTC-ER, ITC-ER, CMG

Product Description

Fieldbus, 1 Pair 18AWG (7x26) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, LSZH-TS Inner Jacket, Bronze Braid Armor, LSZH-TS Outer Jacket, CMG ISA/SP-50 Type A, PLTC-ER, ITC-ER, CMG

Technical Specifications

Product Overview

Suitable Applications:	shipboard, 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	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	7x26	TC - Tinned Copper

Insulation

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

Outer Shield Material

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

Inner Jacket Material

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.280 in

Armor

Armor Type & Material
BBA - Bronze Braid Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.050 in	0.515 in

Cable Diameter (Nominal):	0.515 in
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Electrical Characteristics

Electricals

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

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating

300 V (CMG, PLTC-ER), 150 V (ITC-ER)

Mechanical Characteristics

Temperature

UL Rating

105°C

Standards and Compliance

NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER
CEC / C(UL) Compliance:	CMG
Other Standard Compliance(s):	ISA/SP-50 Type A

History

Update and Revision: Revision Number: 0.40 Revision Date: 02-16-2021

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