



Product: [973079Z](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, LSZH-TS jkt, BBA, LSZH-TS Jkt, PLTC-ST1 CMG-ST1 Profibus DP

Product Description

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, Low Smoke Zero Halogen Thermoset Inner Jacket, Bronze Braid Armor, Low Smoke Zero Halogen Thermoset Outer Jacket, PLTC-ST1 CMG-ST1 SUN RES Profibus DP

Technical Specifications

Product Overview

Suitable Applications:	shipboard, harsh environment, outdoors, data transmission applications such as Profibus DP or PA, Instrumentation and computer cable, etc. exposure to temperature extremes, humidity/moisture, dust, and oil.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.035 in (0.89 mm)	Red & Green	Flame Retardant, Foam w/ skin

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	65%

Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.430 in (10.9 mm)

Armor

Armor Type & Material
BBA - Bronze Braid Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.050 in (1.3 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 Impedance	Nom. Velocity of Prop.
Pair(s)	150 Ohm	78%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating

300 V (CMG-ST1, PLTC-ST1)

Standards and Compliance

NEC / UL Compliance: Article 725, Article 800, CMG-ST1, PLTC-ST1

History

Update and Revision: Revision Number: 0.147 Revision Date: 02-03-2025

Part Numbers

Variants

Item #	Color	UPC
973079Z 0105000	Black	612825257677

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