



Product: [123079E](#)

Profibus, 1 Pr #22 Str BC, PE Ins, OS+TC Brd, PVC jkt, AIA, PVC Jkt, PLTC CM Profibus DP

Product Description

Profibus, 1 Pair 22AWG (7x30) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, PLTC CM SUN RES Profibus DP

Technical Specifications

Product Overview

Suitable Applications:	exposure to rodent, crush, or cut through force, 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	7x30	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
PVC - Polyvinyl Chloride	0.314 in (7.98 mm)

Aarmor

Aarmor Type & Material
AIA - Aluminum Interlock Aarmor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.608 in (15.4 mm)

Overall Cable Diameter (Nominal):	0.608 in (15.4 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 (CM, PLTC)

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CM, PLTC
CEC / C(UL) Compliance:	CM

History

Update and Revision:	Revision Number: 0.60 Revision Date: 02-15-2024
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