

Product: [70101LS](#) 

Profibus DP, 1PR #22 Sol BC, PO ins, F/B, LSZH/SWA/LSZH Jkt, 300 V



Product Description

Profibus DP, 1 Pair AWG 22 Bare Copper - Solid, Polyolefin (PO, PE, PP) insulation, Foil + Braid(s) shielding, inner LSZH jacket, SWA Armor, LSZH Jacket, 300 V

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications such as Profibus DP; Indoor use; Profibus cable 2xAWG22 FRNC / LSZH SWA
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Construction Details

Conductor

Size	Stranding	Material
22	Solid	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	2.45 mm (0.0965 in)	Red & Green

Inner Shield

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

Inner Jacket

Material	Nom. Diameter	Color
LSZH - Low Smoke Zero Halogen (Flame Retardant)	7.8 mm (0.31 in)	Violet or Gray

Aarmor

Armor Type & Material	Armor Thickness	Coverage
SWA - Steel Wire Armor	0.9 mm	Min. 95%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.2 mm (0.047 in)	12 mm (0.47 in)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence
52 Ohm/km (16 Ohm/1000ft)	30 pF/m (9.1 pF/ft)	150 Ohm

Mechanical Characteristics

Temperature

Installation	Storage
-15°C To +70°C	-40°C to +70°C

Bend Radius

Installation Min.
120 mm (4.7 in)

Standards and Compliance

Environmental Suitability:	IndoorIndoor/OutdoorOutdoorIndoor/Outdoor - Euroclass Eca, Sunlight Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2
CEC / C(UL) Compliance:	.
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3

History

Update and Revision:	Revision Number: 0.217 Revision Date: 09-02-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
70101LS.01500	Black	Reel	500 m	8719605012067
70101LS.011000	Black	Reel	1,000 m	8719605012050
70101LS.02500	Blue	Reel	500 m	8719605012081
70101LS.021000	Blue	Reel	1,000 m	8719605012074
70101LS.05500	Purple	Reel	500 m	8719605012104
70101LS.051000	Purple	Reel	1,000 m	8719605012098

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