

Product: [70102E](#) 

Profibus DP, 1PR #22 Str BC, PO ins, F/B, PVC jkt,



Product Description

Profibus DP, 1 Pair AWG 22 Bare Copper - Stranded, Polyolefin (PO, PE, PP) insulation, Foil + Braid(s) shielding, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation and computer cable; For data transmission applications such as Profibus DP
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Construction Details

Conductor

Size	Stranding	Material
22	7x30	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PE - Polyethylene (Foam)	2.55 mm (0.100 in)	Red & Green

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	8 mm

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence
57 Ohm/km (17 Ohm/1000ft)	28 pF/m (8.5 pF/ft)	150 Ohm

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min.
80 mm

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca

CEC / C(UL) Compliance:	.
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.187 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
70102E.00500	Purple	Reel	500 m	8719605012180
70102E.K0500	Purple	Reel	500 m	8719605012210
70102E.01500	Purple	Reel	500 m	8719605012203
70102E.K1500	Purple	Reel	500 m	8719605012227
70102E.001000	Purple	Reel	1,000 m	8719605012173
70102E.011000	Purple	Reel	1,000 m	8719605012197

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