




Product: [YE00819](#) 

KNX, 1PR 0.8mm Sol BC, PE ins,OS, PVC jkt, Eca

Product Description

KNX, 1 Pair, 0.8 mm cond diameter, Bare Copper - Solid, PE insulation, Overall Beldfoil® shielding, PVC jacket , CPR Eca

Technical Specifications

Product Overview

Suitable Applications:	KNX, EIB cable for building management
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Physical Characteristics (Overall)

Conductor					
Stranding	Material	Cross Section	Nominal Diameter	No. of Conductors	No. of Pairs
Solid	BC - Bare Copper	0.5 mm²	0.8 mm	2	1
Conductor Count:			2		
Total Number of Pairs:			1		

Insulation			
Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	1.4 mm	0.05 mm	0.3 mm

Color Chart	
Number	Color
Wire 1	Red & Blue
Wire 2	

Outer Shield						
Type	Material	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire Diameter
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	9 µm	TC - Tinned Copper	0.4 mm

Outer Jacket			
Material	Nominal Diameter	Diameter - Tolerance	Nominal Wall Thickness
PVC - Polyvinyl Chloride	5.5 mm	0.3 mm	1.2 mm

Construction and Dimensions

Cabling	
Description	1 pair covered with a polyester foil

Electrical Characteristics

Conductor DCR	
Max. Conductor DCR	37.5 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
50 pF/m

Voltage

Voltage Rating [V]
300 V

Electrical Characteristics Notes:	Testvoltage 4 kV, 1 min
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Temperature Range

Storage Temperature Range:	-30°C to +70°C
Operating Temperature Range:	-20°C To +70°C

Mechanical Characteristics

Min. Bend Radius During Installation:	55 mm
Min Setting Radius:	27.5 mm

Standards

CPR Euroclass:	Eca
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
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Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
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Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	EAN
YE00819.00500	Green	Reel	500 m	8719605112576
YE00819=K0500	Green	Reel	500 m	
YE00819.001000	Green	Reel	1,000 m	8719605112569
YE00819=001000	Green	Reel	1,000 m	
YE00819=K01000	Green	Reel	1,000 m	

History

Update and Revision:	Revision Number: 0.204 Revision Date: 03-28-2025
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