



**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 mm <sup>2</sup>	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

**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

**Applicable Environmental and Other Programs**

Environmental Space: Indoor - Euroclass Eca

**Flammability, LS0H, Toxicity Testing**

IEC Flammability: IEC 60332-1-2

**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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