



**Product:** [YE00906](#)

KNX, 2PR 0.8mm Sol BC, PE ins, OS, LSNH Jkt, Eca

[Request Sample](#)

## Product Description

KNX, 2 Pairs, 0.8 mm cond diameter, Bare Copper - Solid, Polyethylene insulation, Overall Beldfoil® shielding, LSZH / FRNC 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 Pairs
Solid	BC - Bare Copper	0.5 mm <sup>2</sup>	0.8 mm	2

Conductor Count:	4
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#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	1.6 mm	0.05 mm	0.4 mm

#### Color Chart

Number	Color
Quad 1	White & Red & Yellow & Black

#### 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
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.3 mm	0.3 mm	1.4 mm

### Construction and Dimensions

#### Cabling

Description
1 quad 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: 31.5 mm

Min Setting Radius: 63 mm

## Standards

CPR Euroclass: Eca

Other Specification: KNX REG 109/7254/05

## Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass Eca

## Flammability, LSOH, Toxicity Testing

IEC Flammability: IEC 60332-1-2

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

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	Length	EAN
YE00906.00100	Green	Reel	100 m	8719605112835
YE00906=00100	Green	Reel	100 m	8719605162625
YE00906.00500	Green	Reel	500 m	8719605112859
YE00906=00500	Green	Reel	500 m	8719605161390
YE00906.001000	Green	Reel	1,000 m	8719605112842
YE00906=001000	Green	Reel	1,000 m	8719605161383
YE00906=K01000	Green	Reel	1,000 m	8719605161376

## History

Update and Revision: Revision Number: 0.178 Revision Date: 04-08-2022

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