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

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	4	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PE - Polyethylene	1.4 mm	0.05 mm	0.3 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)	6.1 mm	0.3 mm	1.2 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:	61 mm
Min Setting Radius:	30 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
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
YE00906.00500	Green	Reel	500 m	8719605112859
YE00906.001000	Green	Reel	1,000 m	8719605112842

History

Update and Revision:	Revision Number: 0.205 Revision Date: 03-28-2025