Product: [YE00905](#) ⧉

KNX, 2C 0.8mm Sol BC, PO ins, OS, LSNH Jkt, Eca

:: Request Sample

Product Description

KNX, 1 Pair 0.8 mm AWG Bare Copper - Solid, Polyolefin (PO, PE, PP) insulation, Foil(s) or Copper Tape(s) 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 Pairs
Solid	BC - Bare Copper	0.5 mm²	0.8 mm	1
Conductor Count:			2	

Insulation

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

Color Chart

Number	Color
Pair 1	Red & Blue

Outer Shield Material

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

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 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 Temp Range:	-30°C to +70°C
Operating Temp 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 Compliance:	KNX REG 109/7254/05

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Eca
EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
YE00905.00100	Green	Reel	100 m	8719605112767
YE00905.001000	Green	Reel	1,000 m	8719605112774
YE00905=001000	Green	Reel	1,000 m	8719605161352
YE00905=K01000	Green	Reel	1,000 m	8719605161338
YE00905.00500	Green, Dark	Reel	500 m	8719605112781
YE00905=00500	Green, Dark	Reel	500 m	8719605161369
YE00905=K0500	Green, Dark	Reel	500 m	8719605161345

History

Update and Revision:	Revision Number: 0.140 Revision Date: 12-18-2020