Belden



Product: YE00905

KNX, 1PR 0.8mm Sol BC, PE ins, OS, LSZH Jkt, Eca

Request Sample

Product Description

KNX, 1 Pair, 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

Construction Details

Conductor

Stranding	Material
Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.3 mm (0.012 in)	1.4 mm (0.055 in)	Red & Blue

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.2 mm (0.047 in)	5.5 mm (0.22 in)

Electrical Characteristics

Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Cond
37.5 Ohm/km (11.4 Ohm/1000ft)	50 pF/m (15 pF/ft)

Voltage

Voltage Rating
300 V

Mechanical Characteristics

Temperature

Operating	Storage
-20°C to +70°C	-30°C to +70°C

Bend Radius

Installation Min.
55 mm (2.2 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
European Halogen Free Standards:	IEC 62821-1 Halogen Free Compliance = Yes, 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
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.214 Revision Date: 08-21-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
YE00905.00100	Green	Reel	100 m	8719605112767
YE00905 005500M	Green	Reel	500 m	6938935085301
YE00905.001000	Green	Reel	1,000 m	8719605112774
YE00905.K01000	Green	Reel	1,000 m	8719605112798
YE00905 0051000M	Green	Reel	1,000 m	6938935086353
YE00905.00500	Green, Dark	Reel	500 m	8719605112781
YE00905.K0500	Green, Dark	Reel	500 m	8719605112804

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