



Product: [77905ELW](#)

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

Product Description

KNX, 1 Pair, 0.8 mm cond diameter, Bare Copper - Solid, LSZH insulation, Overall Beldfoil® shielding, LSZH / FRNC jacket , CPR Cca

Technical Specifications

Product Overview

Suitable Applications:	KNX, EIB cable for building management
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Physical Characteristics (Overall)

Conductor

Stranding	Material	Nominal Diameter	No. of Pairs
Solid	BC - Bare Copper	0.8 mm	1

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.8 mm	0.05 mm	0.5 mm

Color Chart

Number	Color
Pair 1	Red & Blue

Outer Shield

Type	Material Trade Name	Coverage [%]	Thickness of Foil	Drainwire Material	Drainwire Diameter
Tape	Beldfoil®	100%	9 µm	TC - Tinned Copper	0.4 mm

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.60 mm	1.4 mm

Construction and Dimensions

Cabling

Description
1 pair covered with a PP foam foil

Electrical Characteristics

Conductor DCR

Max. Conductor DCR
37.5 Ohm/km

Capacitance

Nom. Capacitance Conductor to Conductor
70 pF/m

Voltage

Voltage Rating [V]

300 V

Electrical Characteristics Notes:	Testvoltage 4 kV, 1 min
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Temperature Range

Storage Temperature Range:	-30°C to +70°C
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Operating Temperature Range:	-20°C To +70°C
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Mechanical Characteristics

Min. Bend Radius During Installation:	66 mm
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Min Setting Radius:	33 mm
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Standards

CPR Euroclass:	Cca-s1,d1,a1
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Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
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Flammability, LSOH, Toxicity Testing

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

Update and Revision:	Revision Number: 0.37 Revision Date: 04-12-2022
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