



Product: [YE00820](#)

KNX, 2PR 0.8mm Sol BC, PVC ins,OS, PVC jkt, Eca

Product Description

KNX, 2 Pair AWG Bare Copper - Solid, PVC insulation, Overall Beldfoil® shielding, PVC 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 Conductors
Solid	BC - Bare Copper	0.5 mm ²	0.8 mm	4

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
PVC - Polyvinyl Chloride	1.4 mm	0.05 mm	0.3 mm

Color Chart

Number	Color
Quad 1	White & Red & Yellow & Black

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
PVC - Polyvinyl Chloride	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 Temp Range:	-30°C to +70°C
Operating Temp Range:	-20°C To +70°C

Mechanical Characteristics

Min. Bend Radius During Installation:	61 mm
Min Setting Radius:	30 mm

Standards

CPR Euroclass:	Eca
Other Specification:	KNX REG 109/7253/05

Applicable Environmental and Other Programs

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

IEC Flammability:	IEC 60332-1-2
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Part Number

Variants

Item #	Color	Putup Type	Length	EAN
YE00820.00100	Green	Reel	100 m	8719605112606
YE00820=00100	Green	Reel	100 m	8719605161291
YE00820=K0100	Green	Reel	100 m	8719605161253
YE00820.00500	Green	Reel	500 m	8719605112637
YE00820=00500	Green	Reel	500 m	8719605161321
YE00820=K0500	Green	Reel	500 m	8719605161284
YE00820.001000	Green	Reel	1,000 m	8719605112613
YE00820=001000	Green	Reel	1,000 m	8719605161307
YE00820=K01000	Green	Reel	1,000 m	8719605161260
YE00820.001525	Green	Reel	1,525 m	8719605112620
YE00820=001525	Green	Reel	1,525 m	8719605161314
YE00820=K01525	Green	Reel	1,525 m	8719605161277

History

Update and Revision:	Revision Number: 0.160 Revision Date: 07-30-2021
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