Product: [YE00820](#) ⧉

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

Product Description

KNX, 2 Pair AWG Bare Copper - Solid, PVC insulation, Foil(s) or Copper Tape(s) shielding, PVC jacket ,

Technical Specifications

Product Overview

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	EIB cable for building management

Physical Characteristics (Overall)

Conductor

Stranding	Material	Cross Section	Nominal Diameter	No. of Conductors
Solid	BC - Bare Copper	0.5 mm²	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	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

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:	30.5 mm

Standards

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

Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2

Part Number

Variants

Item #	Color	Length
YE00820.00100	Green	100 m
YE00820.001000	Green	1,000 m
YE00820.00500	Green	500 m
YE00820.K01000	Green	1,000 m
YE00820.001525	Green	1,525 m
YE00820.K0100	Green	100 m
YE00820.K01525	Green	1,525 m
YE00820.K0500	Green	500 m
YE00820=00100	Green	100 m
YE00820=001000	Green	1,000 m
YE00820=001525	Green	1,525 m
YE00820=00500	Green	500 m
YE00820=K0100	Green	100 m
YE00820=K01000	Green	1,000 m
YE00820=K01525	Green	1,525 m
YE00820=K0500	Green	500 m

History

Update and Revision:	Revision Number: 0.125 Revision Date: 01-31-2020