Belden



Product: YE00906

KNX, 2PR 0.8mm Sol BC, PE ins, OS, LSZH Jkt, Eca

Request Sample

Product Description

KNX, 2 Pairs, 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)	White & Red & Yellow & Black

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)	6.1 mm (0.24 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.
61 mm (2.4 in)

Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: 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: 0.220 Revision Date: 08-21-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	EAN
YE00906.00100	Green	Reel	100 m	8719605112835
YE00906.00500	Green	Reel	500 m	8719605112859
YE00906.001000	Green	Reel	1,000 m	8719605112842
YE00906.K01000	Green	Reel	1,000 m	8719605112866

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.