



**Product:** [77906ELV](#)

KNX, 2PR 0.8mm Sol BC, PO ins, OS, LSNH Jkt, B2ca

## Product Description

KNX, 2 Pairs 0.8 mm AWG Bare Copper - Solid, Polyolefin (PO, PE, PP) insulation, Foil(s) or Copper Tape(s) shielding, LSZH / FRNC jacket , CPR B2ca

## Technical Specifications

### Product Overview

Suitable Applications:	KNX, EIB cable for building management
------------------------	--

### Physical Characteristics (Overall)

#### Conductor

Stranding	Material	Nominal Diameter	No. of Pairs
Solid	BC - Bare Copper	0.8 mm	2

Conductor Count:	4
------------------	---

#### Insulation

Material	Nominal Diameter	Diameter +/- Tolerance	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	1.6 mm	0.05 mm	0.4 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	Nominal Wall Thickness
LSZH - Low Smoke Zero Halogen (Flame Retardant)	6.3 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
70 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: 63 mm

Min Setting Radius: 31 mm

## Standards

CPR Euroclass: B2ca-s1,d1,a1

## Applicable Environmental and Other Programs

Environmental Space: Indoor - Euroclass B2ca

## Flammability, LSOH, Toxicity Testing

IEC Flammability: IEC 60332-1-2

IEC 60754-1 (EN50267-1)- Halogen Amount: Zero

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: 2.5 µS/mm

IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: 4.3

## Part Number

### Variants

Item #	Color	Putup Type	Length	EAN
77906ELV.0500	Green	Reel	500 m	8719605193513

## Product Notes

Notes: KNX REG 109/16282/19

## History

Update and Revision: Revision Number: 0.16 Revision Date: 02-10-2021

© 2021 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.