



Product: [77906ELV](#) 

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

Product Description

KNX, 2 Pairs, 0.8 mm cond diameter, Bare Copper - Solid,LSZH insulation, Overall Beldfoil® 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

| 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 | 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 Temperature Range: | -30°C to +70°C |
| Operating Temperature 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, LS0H, Toxicity Testing

| | |
|--|-------------------------------|
| IEC Flammability: | IEC 60332-1-2, IEC 60332-3-24 |
| 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 |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|---------------|-------|-------------|--------|---------------|
| 77906ELV.0500 | Green | Reel | 500 m | 8719605193513 |

Product Notes

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|--------|----------------------|
| Notes: | KNX REG 109/16282/19 |
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History

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| Update and Revision: | Revision Number: 0.61 Revision Date: 12-22-2023 |
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