



Product: [YE00820](#)

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

Product Description

KNX, 2 Pair, 0.8 mm cond diameter, Bare Copper - Solid, PVC insulation, Overall Beldfoil® shielding, PVC jacket , CPR Eca

Technical Specifications

Product Overview

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

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

| 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 | 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 |
|----------------------|------------------------|

Flammability, LSOH, Toxicity Testing

| | |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

Related Part Numbers

Variants

| Item # | Color | Put-Up 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

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| Update and Revision: | Revision Number: 0.167 Revision Date: 12-15-2021 |
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