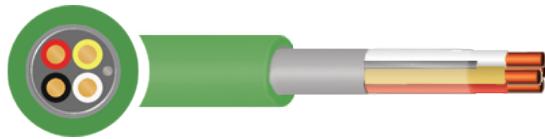


KNX /EIB Cables - Communication, Control, Air Con - PE, LSZH - 0.8mm



Description

KNX Cable is designed for communication in building management systems and can also be used to control lighting, air conditioning, blinds, heating, audio, and white goods for the future proof control of buildings.

Key Features



Voltage Rating
Maximum Voltage 150V



Minimum Bending Radius
Fixed: 7.5 x overall diameter
Flexing: 10 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1



Temperature Limits
Temperature Range: -20°C to +75°C

Core Colours

Pair 1 - Red & Black

Pair 2 - White & Yellow

Drain - Grey

Standards

- BS EN/IEC 60332-1
- BS EN/IEC 60228
- ISO/IEC 14543-3
- EN-13602-2002
- CEN EN 50090
- CEN EN 13321-1

Construction

- **Conductor:** Class 1 solid Copper laid in pairs or Quad
- **Insulation:** Polyethylene (PE)
- **Filler:** Cotton Rope
- **Drain Wire:** Tinned Copper
- **Overall Tape Screen:** Aluminium/Polyester Tape Screen (AL/PET)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Green

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance.

ecovadis

KNX /EIB Cables - Communication, Control, Air Con - PE, LSZH - 0.8mm - Dimensions

| Reference | Conductor Size (mm ²) | No Of Cores | Stranding(mm) |
|------------|-----------------------------------|------------------------|---------------|
| KNX1QUADGN | 0.8 | 1 Quad Plus Drain Wire | 1X4X1/0.8 |
| KNX2PAIRGN | 0.8 | 2 Pair Plus Drain Wire | 2X2X1/0.8 |
| KNX1PAIRGN | 0.8 | 1 Pair Plus Drain Wire | 1X2X1/0.8 |



KNX EUROPEAN INDUSTRY BUS CABLES - ELECTRICAL PROPERTIES

| CCCL CODE | CONDUCTOR DCR | SHIELD DCR | CONDUCTOR TO CONDUCTOR CAPACITANCE | CONDUCTOR TO SHIELD CAPACITANCE | INDUCTANCE | MAX RESISTANCE OF CONDUCTOR AT 20°C |
|------------|---------------|------------|------------------------------------|---------------------------------|------------|-------------------------------------|
| | Ω/KM | Ω/KM | pF/M | pF/M | μH/M | Ω/KM |
| KNX1PAIRGN | 37.40 | 30.5Ω/KM | 100 | 300.00 | 56% | 37.50 |
| KNX2PAIRGN | 37.4Ω/KM | 30.5Ω/KM | 100 pF/M | 300 pF/M | 0.557 μH/M | 37.5 |
| KNXQUADGN | 37.4Ω/KM | 30.5Ω/KM | 100 pF/M | 300 pF/M | 0.557 μH/M | 36.5 |

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

