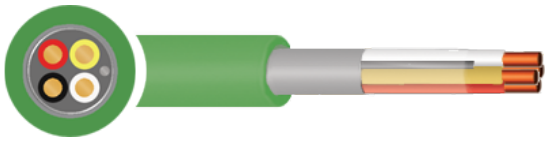
KNX /EIB Cables - Communication, Control, Air Con - PE, LSZH - 0.8mm



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

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
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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

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

Reference	Conductor Size (mm2)	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.

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