CLEVELAND CABLE COMPANY
A WORLD POWER IN CABLE SUPPLY

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KNX EUROPEAN INDUSTRY BUS CABLES

APPLICATION

With the increasing demand for environmentally friendly buildings 'Green' intelligent building technology systems can contribute to significant energy savings over a sustained period. KNX Cable is designed for communication in building management systems and can also be used to control lighting, air conditioning, blinds, heating and audio, making them ideal for stage productions and surround sound systems.

CABLE STANDARDS

IEC60332-1

CONSTRUCTION

Conductor: 20(1)AWG, Solid Copper laid in 2 pairs

Insulation: Polyethelyne

Fillers: 2 x Cotton Rope

Overall Tape: Clear Polyester

Drain Wire: 26(7)AWG, Tinned Copper

Overall Screen: Aluminium/Polyester Foil

Sheath: LSZH (Low Smoke Zero Halogen)

Colour: Green

CHARACTERISTICS

Voltage Rating
300V

Temperature Rating
Fixed: -20°C to +80°C

Minimum Bending Radius
As per cable manufacturer datasheet

Core Identification
Pair 1 Red Black

Pair 2 - Yellow White

Drain -

Should not be installed at temperatures below $0^{O}C$

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KNX EUROPEAN INDUSTRY BUS CABLES- DIMENSIONS

CCCL CODE	NUMBER OF CONDUCTORS	NUMBER OF PAIRS	STRANDING (MM)	WEIGHT (Kg/Km)	OVERALL DIAMETER (MM)
KNXQUADGN	4 PLUS DRAIN WIRE	2	0.8	64	6.2

KNX EUROPEAN INDUSTRY BUS CABLES – ELECTRICAL CHARACTERISTICS

MAXIMUM (CONDUCTOR) LOOP RESISTANCE Ω/km	MINIMUM INSULATION RESISTANCE AT 20ºC MΩ x km	MAXIMUM CAPACITANCE UNBALANCE C1 pF/100m	MAXIMUM MUTUAL CAPACITANCE nF/km
73.2	100	200	100

The above is in accordance with 18th Edition of IET Wiring Regulations