

EIB/KNX CABLE

2 Pair Overall Shielded,
PVC, LSZH & PE Sheath

APPLICATION

Netcon KNX/EIB cable features two twisted pairs of solid conductor with a foil screen and tinned copper drain wire in green LSZH Jacket. Netcon KNX/EIB is a high quality communication cable used with variety of systems products for reliable and high speed data communications. KNX/EIB cables are widely used in integrated Audio Video, Intercoms and Security Cameras, Home Automation, Lighting Control and Guest Room Management Systems.

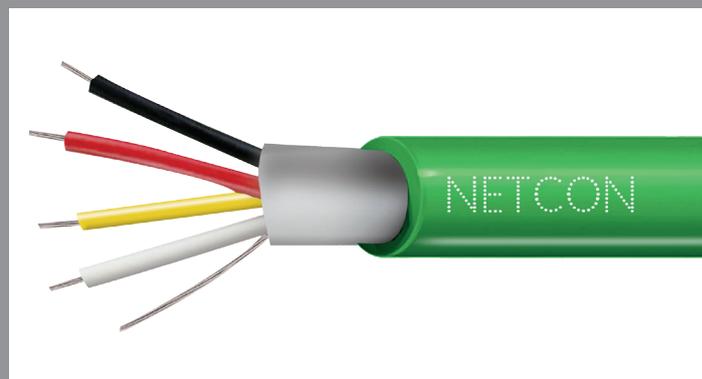
DESIGN

- | Conductor: Solid bare Copper Wire
- | Insulation: Polyethylene (PE)
- | Core 1: Black, Core 2: Red, Core 3: White, Core 4: Green
- | Lay Up: 2 Cores twisted to a pair
- | Wrapping: PET Foil
- | Screen: Aluminium / Polyester 100% coverage
- | Rip Cord: Nylon Yarn
- | Sheath Material: Polyvinyl Chloride (PVC), Low Smoke Zero Halogen (LSZH), or UV resistant Polyethylene (PE)
- | Colour: Green RAL 6018 (PVC) / (LSZH) / Black (PE)
- | Standard Put Up Length: 305 or 500 Metres

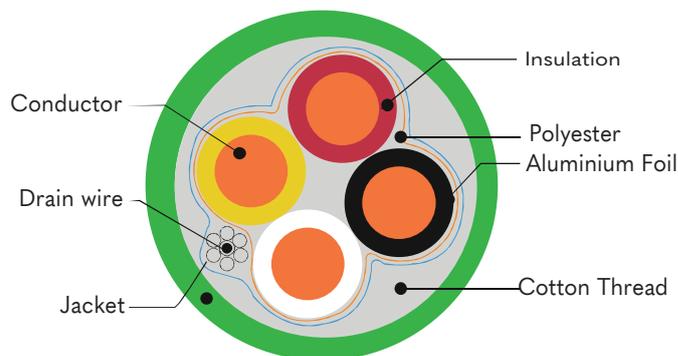
* Other colours, put up length and structure can be manufactured upon request.

CHARACTERISTICS

- Voltage Rating : 300
- Temperature Limits: Fixed: -20°C to +70°C
- Minimum Bending Radius:
As per Cable Manufacturer's Data Sheet



2 Pairs LSHF Green Technical



CORE IDENTIFICATION

- Pair 1: ■ Red ■ Black
- Pair 2: ■ Yellow □ White
- Drain: ■

PHYSICAL CHARACTERISTICS

Part Number	NTKNX2PP	NTKNX2PL	NTKNX2PPE
No. of Cores	2		
Lay up	Pair		
Diameter Conductor (mm)	0.80		
Nom. Radial thickness Insulation (mm)	0.3		
Nom. Diameter Insulation (mm)	1.45		
Nom. Radial thickness Sheath (mm)	1.1		
Nom. Overall Diameter (mm)	5.5		
Sheath Material	PVC	HFFR	PE
Operating Temperature (°C)	-20°C to + 70°C		
Max. Pulling tension (N)	25		
Max. Bend Radius (Install) (mm)	55		
Nominal Cable weight (kg/km)	37	39	35

ELECTRICAL CHARACTERISTICS

Part Number	NTKNX2PP	NTKNX2PL	NTKNX2PPE
Max. DC resistance Conductor (Ω /km)	37		
Max. DC loop (Ω /km)	73.5		
Max. Mutual Capacitance at 800 Hz (nF/km)	100		
Max. Capacitance Unbalance at 800 Hz (pF/100m)	300		
Inductance (μ H/m)	0.75		
Operating Voltage (Vrms)	300		

CABLE STANDARDS

IEC60332-1

ISO/IEC 14543-3

EN-13602-2002

CENELEC EN 50090

CEN EN 13321-1

ORDERING INFORMATION

Part Number	Description
NTKNX2PP	Netcon, 2*2*0.8 KNX/ EIB bus cable, solid copper cable, shielded PVC cable, green, 305m
NTKNX2PL	Netcon, 2*2*0.8 KNX/ EIB bus cable, solid copper cable, shielded LSZH cable, green, 305m
NTKNX2PPE	Netcon, 2*2*0.8 KNX/ EIB bus cable, solid copper cable, shielded Polyethylene, green, 305m