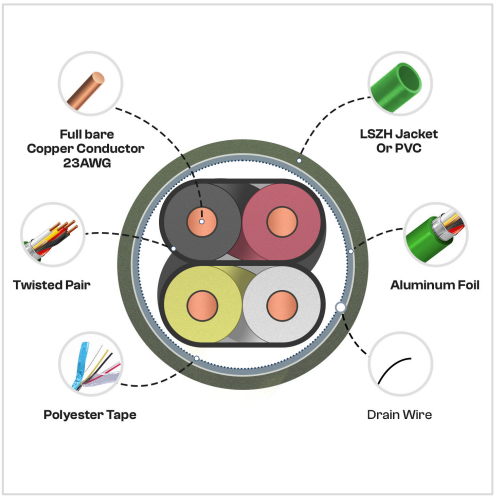
NEXUS
Structure Trading Co.

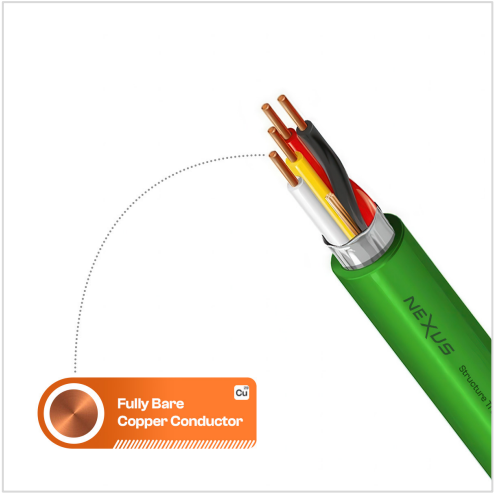
KXN/EIB Bus Cable

KNX / EIB (European Installation Bus)

- 100% KNX compliant for seamless integration with all certified devices
- Halogen-free (LSZH) & flame-retardant (PVC) for enhanced safety
- Twisted pair design for superior signal integrity
- Easy to strip, flexible, and installer-friendly
- Ideal for in-wall, conduit, and surface-mounted installations



Available in 305m Self Roll-Up box



Designed with precision and constructed using high-grade materials, this cable ensures optimal data transmission, minimal signal interference, and long-lasting durability, making it the ideal solution for connecting sensors, actuators, and control devices in any KNX setup.
Whether you're outfitting a commercial building, smart home, or industrial facility, our KXN/EIB cable supports fast, safe, and efficient communication across your entire KNX network.

Perfect for:

- ✅ Smart Homes
- ✅ Office Buildings
- ✅ Hotels
- ✅ Industrial Automation
- ✅ Schools & Public Institutions

Standards & Compliance

ISO9001 - ISO/ IEC 11801 - ANSI/TIA-568-B2

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Technical Specifications

Features	Details
Cable Type	KNX / EIB (European Installation Bus)
Conductor	Solid bare copper
Conductor Size	2 x 2 x 0.8 mm (twisted pair)
Insulation Material	Polyethylene (PE)
Outer Jacket	PVC or LSZH (Low Smoke Zero Halogen), green color
Operating Voltage	300 V
Test Voltage	2000 V
Temperature Range	-20°C to +70°C (fixed installation)
Fire Performance	Flame-retardant, Halogen-free (if LSZH), IEC 60332-1 compliant
Impedance	100 ohm ± 15%
Capacitance	≤ 100 nF/km
Resistance	≤ 73.2 ohm/km
Application	Building automation, KNX systems, smart home systems
Packaging Options	100m / 305m / 500m rolls or custom lengths available
Standards Compliance	EN 50090-2-2, IEC 61156, CE, RoHS

Electrical Characteristics

Parameter	Value (Typical)	Notes
Parameter	Value (Typical)	Notes
Conductor cross-section	0.8 mm Ø (≈ 0.5 mm^2)	Solid copper
Conductor resistance	≤ 36 Ω/km	At 20 °C
Mutual capacitance	≈ 100 nF/km	Between twisted pairs
Characteristic impedance	~120 Ω	At 100 kHz
Test voltage insulation	4 kV	Between conductor and shield