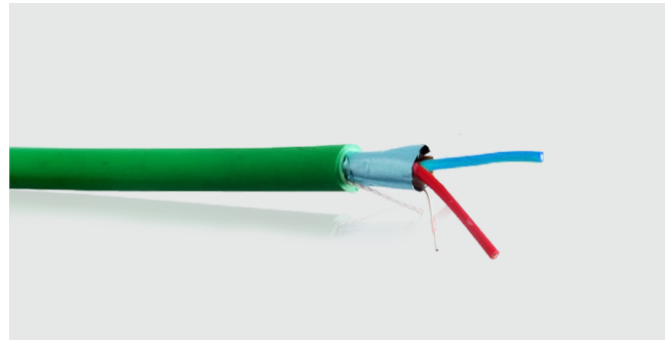


EIB BUS CABLE

1 PAIR 20 AWG SHIELDED

EIB BUS SYSTEM cables are primarily designed for communication in building management system with the application scope of controlling lighting, air conditioning, blinds, heating and time management. The cables are not suitable for power transmission and direct burial.



CABLE CONSTRUCTION

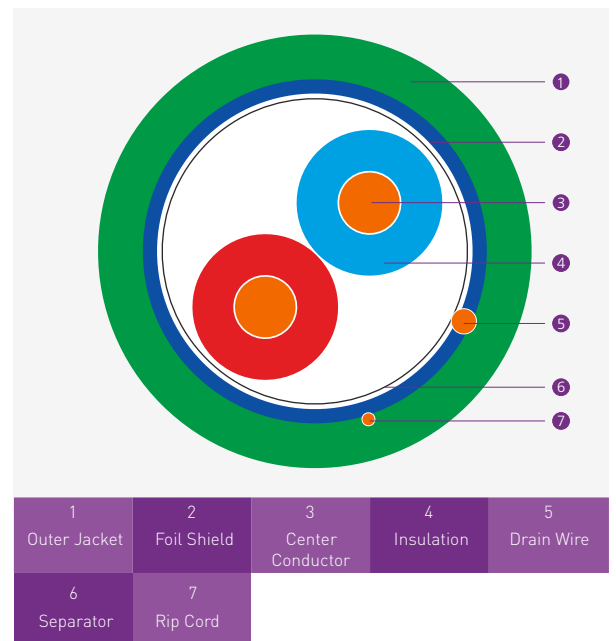
| | | | | |
|---|---|------------------------------------|------------------------------------|--------------------------|
| Conductor Solid Bare Copper | Shielding Aluminium Foil - Polyester Tape | Separator Polyester Tape | Outer Jacket PVC/LSZH | Rip Cord Nylon |
| Insulation PVC (Polyvinyl Chloride) | Foil Coverage 100% | Drain Wire Solid Copper | Jacket Color Green/White | |

PHYSICAL & MECHANICAL CHARACTERISTICS

| Characteristic | Value |
|-----------------------------|----------------|
| No. of Pair | 1 |
| Conductor Size | 20 AWG 0.8 mm |
| Insulation Thickness | 0.3 mm |
| Insulation Diameter | 1.43 ± 0.5 mm |
| Drain Wire Size | 24 AWG 0.4 mm |
| Jacket Thickness | 1.2 mm |
| Jacket Diameter | 5.5 ± 0.1 mm |
| Min. Bending Radius Install | 8 x D |
| Max. Pulling Tension | 40 N |
| Operating Temperature | -20°C to +75°C |

ELECTRICAL CHARACTERISTICS

| Characteristic | Unit | Value |
|---|---------|-------|
| Max. Capacitance Cond. to Cond. @ 800 kHz | nF/Km | 100 |
| Max. Capacitance Unbalance @ 800 kHz | PF/100m | 300 |
| Max. Conductor DC loop resistance @ 20°C | Ω/Km | 73.2 |
| Max. Operating Voltage | Vrms | 300 |



EIB BUS CABLE

1 PAIR 20 AWG SHIELDED

MECHANICAL CHARACTERISTICS

| Characteristic | Value |
|-------------------------------|-----------|
| Test Material | PVC/LSZH |
| Before Tensile Strength [Mpa] | ≥ 10.0 |
| Aging Elongation (%) | ≥ 125 |
| Aaina Condition [°C x hrs] | 100 x 168 |
| After Tensile Strength [Mpa] | ≥ 8.0 |
| Aging Elongation (%) | ≥ 100 |
| Cold Bend [-20±°C x 4 hrs] | No Crack |

INSULATION COLOUR CODE

| Individual Core | Colour |
|-----------------|--------|
| Core 1 | Red |
| Core 2 | Blue |

ORDERING INFORMATION

| Part Number | Description | Net. Weight [Kg/Km] |
|-------------|--|---------------------|
| 81-1101201X | EIB BUS Cable 1 Pair 20 AWG Shielded PVC, 305 m | 38 |
| 81-1101202X | EIB BUS Cable 1 Pair 20 AWG Shielded LSZH, 305 m | 39 |

X: Jacket colour, GN for Green