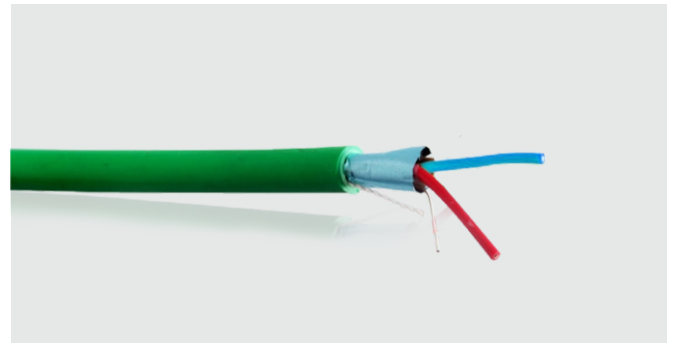


EIB Bus Cable

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

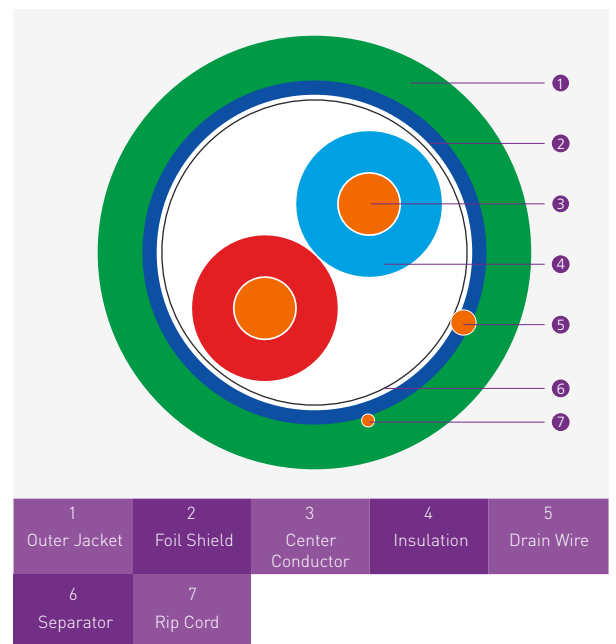
Conductor Solid Bare Copper	Shielding Aluminium Foil - Polyester Tape	Separator Polyester Tape	Outer Jacket PVC/LSZH	Rip Cord Nylon
Insulation PVC (Polyvinyl Chloride)	Foil Coverage 100%	Drain Wire Solid Copper	Jacket Color Green/White	

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

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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