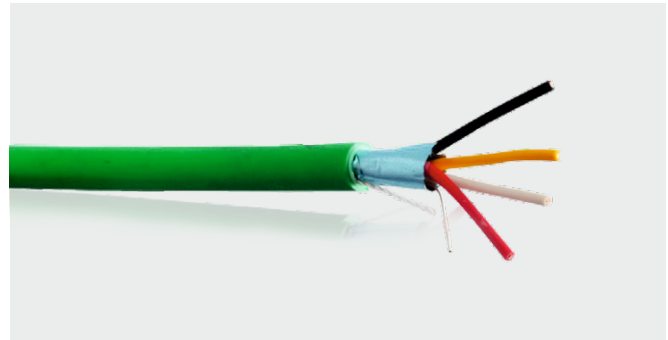


EIB Bus Cable

4 Core 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

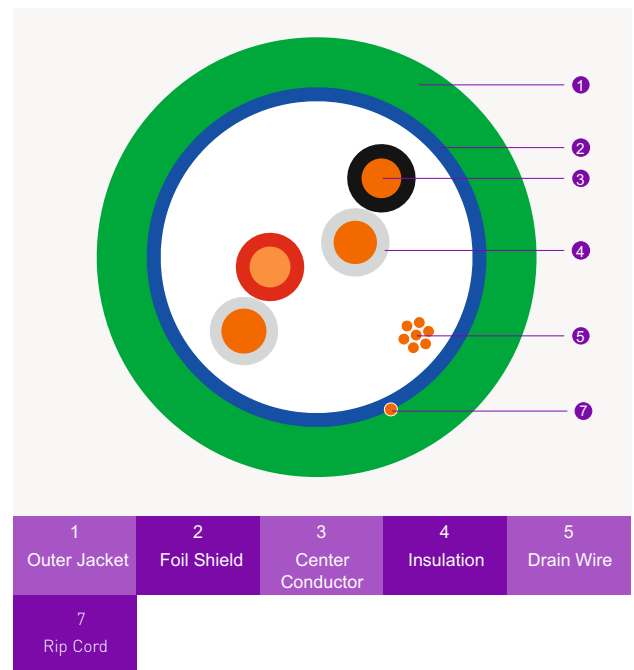
Conductor Solid Bare Copper	Foil Coverage 100%	Outer Jacket PVC/LSZH	LSZH Standard Compliance IEC 60332-1& 2 (Fire flame test) IEC 60754-1 (Emission of Halogen) IEC 60754-2 (Corrosivity) IEC 61034-1 (Emission of Smoke) ISO4589-2 (Oxygen Index LOI)
Insulation PE	Separator Polyester Tape	Jacket Color Green/White	
Shielding Aluminium Foil - Polyester Tape	Drain Wire Solid Copper	Rip Cord Nylon	

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	4
Conductor Size	20 AWG 0.8 mm
Insulation Thickness	0.33 mm
Insulation Diameter	1.45 mm
Drain Wire Size	24 AWG 0.4 mm
Jacket Thickness	0.9 mm
Jacket Diameter	6.10 mm
Min. Bending Radius Install	8 x D
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Conductor DCR @ 20°C	Ω/km	38.5
Dielectric Strength between pairs	kv/min	≥1.0
Short or open of the loop	-	None
Shield	-	No break



Building & Industrial Cables 1.0

EIB Bus Cable

4 Core 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	Black
Core 2	Red
Core 3	White
Core 4	Green

ORDERING INFORMATION

Part Number	Description	Length
81-2304201X	EIB BUS Cable 4 Core 20 AWG Shielded PVC	305 m
81-2304202X	EIB BUS Cable 4 Core 20 AWG Shielded LSZH	305 m

X: Jacket colour, GN for Green