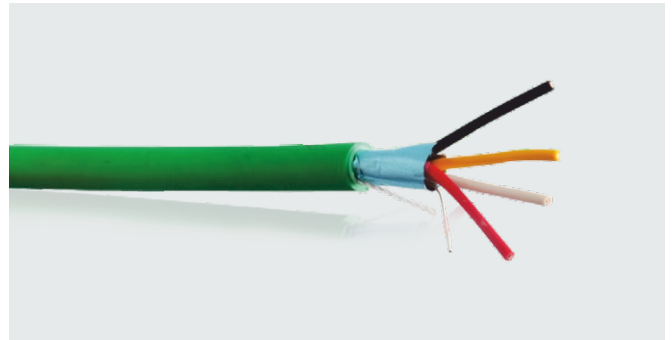


EIB BUS CABLE

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

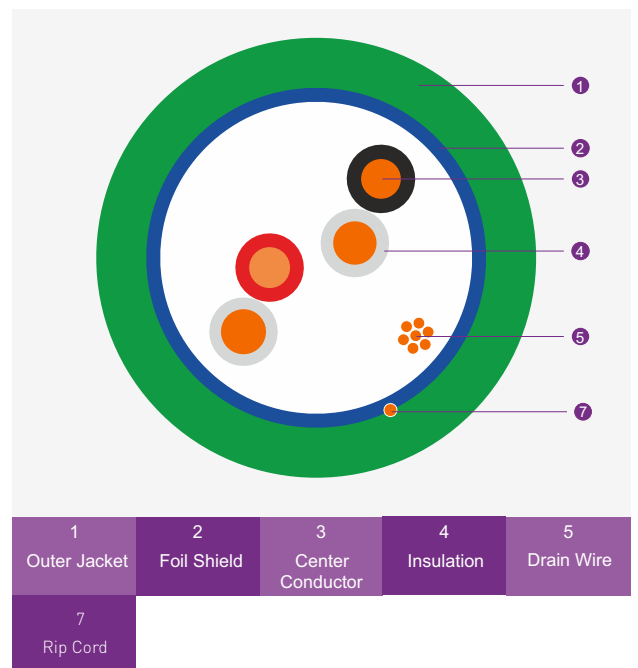
Rip Cord
Nylon

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



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