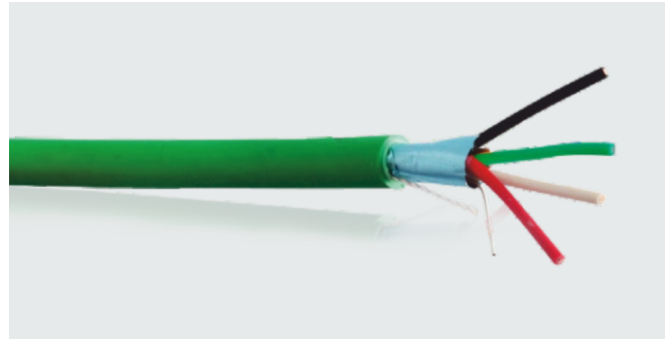


EIB BUS CABLE

4 CORE 18 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

Jacket Color
Green/White

Rip Cord
Nylon

Shielding
Aluminium Foil -
Polyester Tape

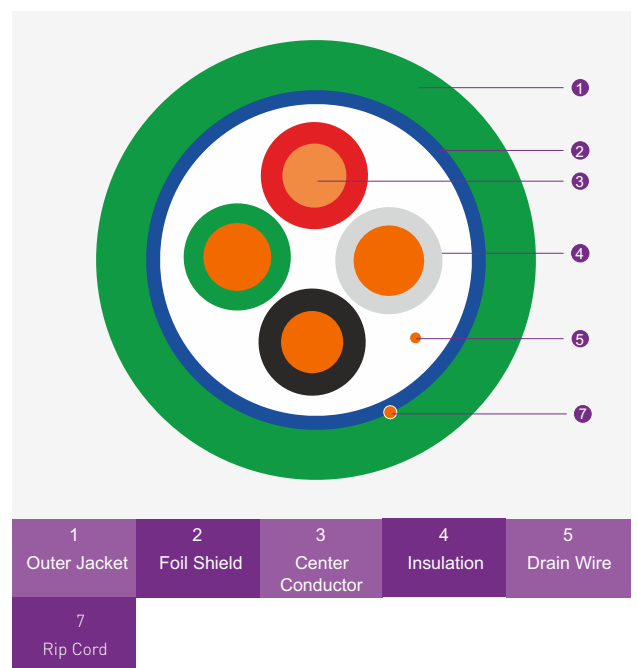
Drain Wire
Solid Copper

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	4
Conductor Size	18 AWG , 1.024 mm
Insulation Thickness	0.35mm
Insulation Diameter	1.72mm
Drain Wire Size	24 AWG , 0.4 mm
Jacket Thickness	0.9 mm
Jacket Diameter	6.7 mm
Min. Bending Radius Install	67 mm
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 18 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
81-2304181X	EIB BUS Cable 4 Core 18 AWG Shielded PVC	305 m
81-2304182X	EIB BUS Cable 4 Core 18 AWG Shielded LSZH	305 m

X: Jacket colour, GN for Green