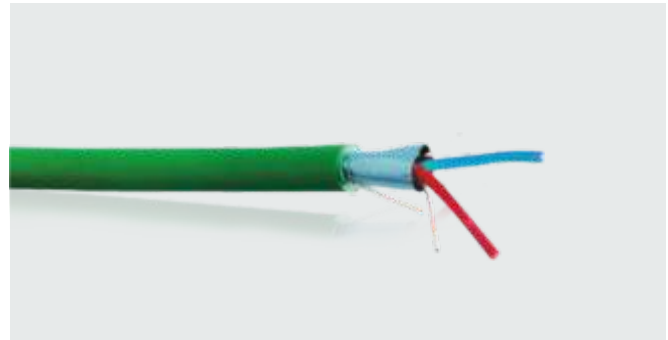


2 Core 18 AWG Shielded BUS cable



Norden 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.



CABLE CONSTRUCTION

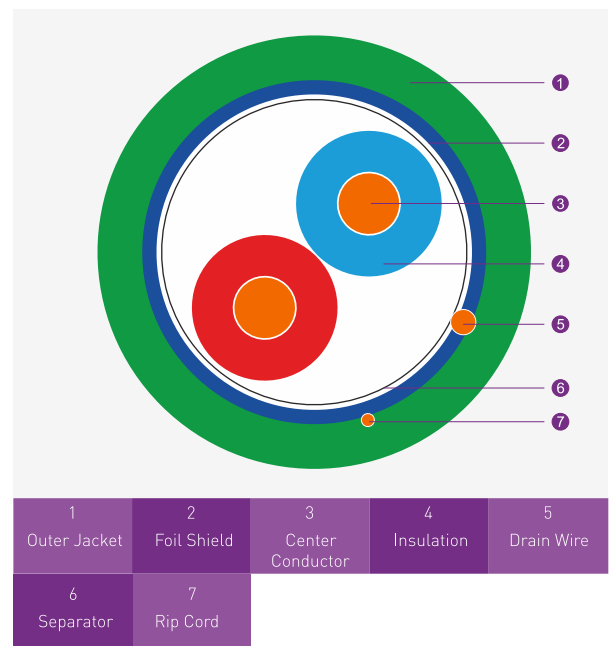
Conductor Solid Bare Copper	Shielding Aluminium Foil - Polyester Tape	Outer Jacket FR PVC/LSZH	Standard Compliance Fire Propagation: IEC 60332-3 Limiting Oxygen Index: 30 % min Smoke Density: IEC 61304 Halogen acid gas: IEC 60754-1 Acidity (ph value) and conductivity: IEC 60754-2 Sunlight resistance: UL 1581 Section 1200
Insulation PP	Separator Polyester Tape	Jacket Color Green/White	
Foil Coverage 100%	Drain Wire Tinned Copper	Rip Cord Nylon	

PHYSICAL & MECHANICAL CHARACTERISTICS

Characteristic	Value
No. of Core	2
Conductor Size	1.02 mm Solid Conductor
Insulation Diameter	1.6 mm
Drain Wire Size	0.4 mm TC
Jacket Thickness	0.75 mm
Jacket Diameter	4.9 ± 0.3 mm
Min. Bending Radius Install	8 x D
Max. Pulling Tension	78 N/mm ²
Operating Temperature	-30°C - 80°C
Installation Temperature	-30°C - 80°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
DC Resistance per core at 20° C	Ω/Km	22.7
Insulation Resistance at 20° C	MΩ *km	1000
Mutual Capacitance	pF/m	95
Mutual Capacitance Cond. to Screen	pF/m	175
Inductance	mH/km	1
Test Voltage	V	2000
Operating Voltage	Vrms	300



Building & Industrial Cables 1.0

2 Core 18 AWG Shielded BUS cable



MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	FR 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)
81-2402185X	2 Core 18 AWG Shielded BUS cable FR PVC	30
81-2402182X	2 Core 18 AWG Shielded BUS cable LSZH	29

X: Jacket colour, GN for Green