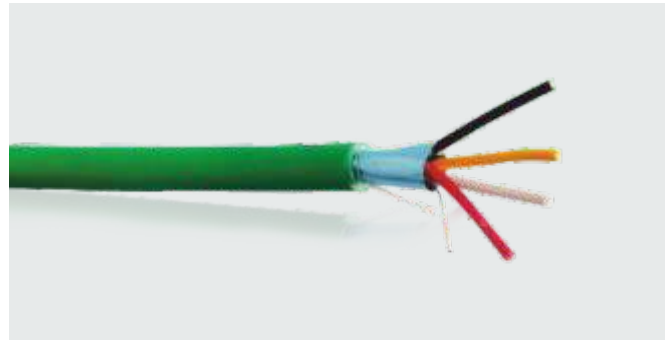


# 4 Core 22 AWG Shielded BUS Cable

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. The cables are not suitable for power transmission and direct burial.



## CABLE CONSTRUCTION

**Conductor**  
Bare Copper

**Foil Coverage**  
100%

**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**  
Polypropylene ( PP )

**Separator**  
PET

**Jacket Color**  
Green/White

**Shielding**  
Al-Polyester Foil

**Drain Wire**  
Tinned Copper

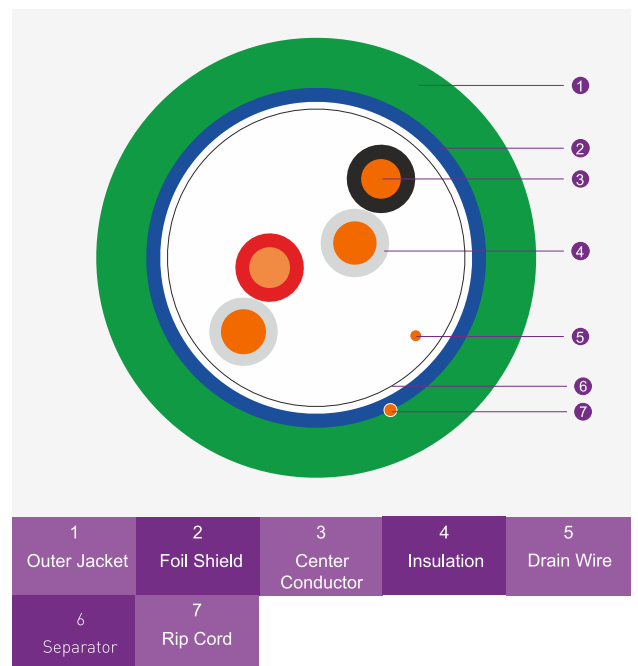
**Rip Cord**  
Yes

## PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	4
Conductor Size	0.6 mm, Solid Conductor
Insulation Thickness	1.4 mm
Drain Wire Size	0.4 mm TC
Jacket Thickness	0.75 mm
Jacket Diameter	5.2 ± 0.3 mm
Min. Bending Radius Install	8 x cable diameter
Max Pulling Tension	63 N/mm <sup>2</sup>
Operating Temperature	-30°C up to 80°C
Installation Temperature	-30°C up to 80°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
DC Resistance per core at 20° C	Ω /km	57.4
Insulation Resistance at 20° C	MΩ *km	1000
Mutual Capacitance	pF/m	100
Inductance	mH/km	1
Impedance	Ω	105
Test Voltage	V	2000
Operating Voltage	Vrms	300



# 4 Core 22 AWG Shielded BUS Cable

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	FR PVC / LSZH
Before Tensile Strength (Mpa)	≥10.0
Aging Elongation (%)	≥125
Aging 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	Net Weight(Kg/Km)
81-2404225X	4 Core 22AWG Shielded BUS Cable, FR PVC	40
81-2404222X	4 Core 22AWG Shielded BUS Cable, LSZH	39

X: Jacket colour, GN for Green