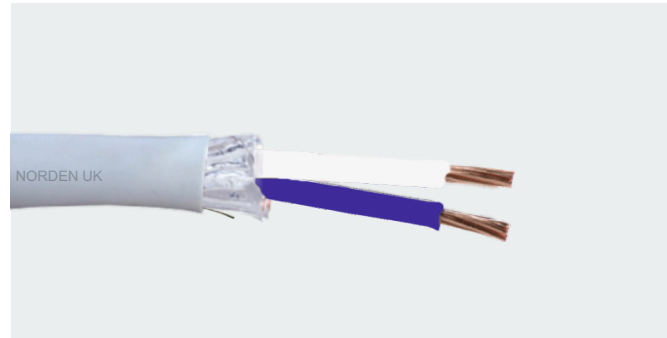


1 Pair 24 AWG Overall Shielded Cable RS-485

The Overall Shielded Paired Cable from NORDEN is suitable to use within Audio, Control, and Instrumentation purpose. The cable is constructed with PP insulation, and 100 % Aluminium Foil – Polyester Tape with Overall Shield. This Cable is protected by FR PVC or LSZH Outer Jacket.



CABLE CONSTRUCTION

Conductor Bare Copper	Shielding Al-Polyester Foil	Jacket Color Green/White
Insulation PP	Foil Coverage 100%	Drain Wire Tinned Copper
Separator PET	Rip Cord YES	Outer Jacket FR PVC/LSZH

Standard Compliance

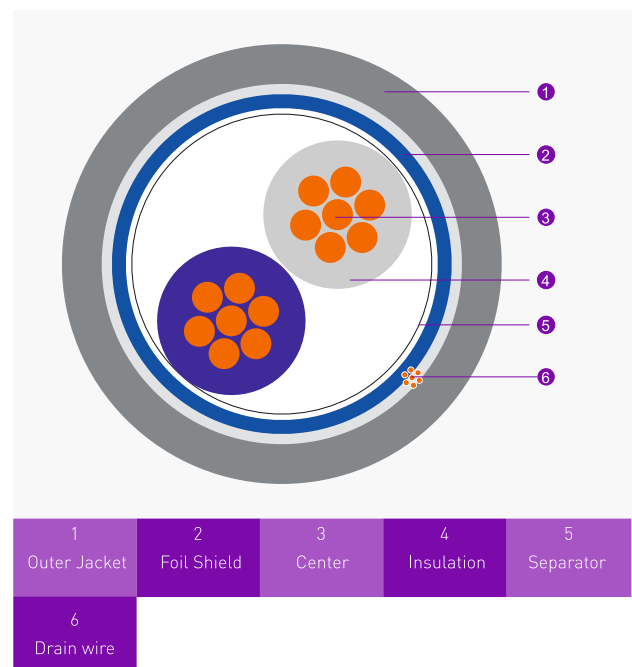
Fire Propagation: IEC 60332-3
 Limiting Oxygen Index: 30 % min
 Smoke Density: IEC 61304
 Halogen acid gas: IEC 60754-1
 Acidity (ph value) and conductivity: IEC 60754-2
 Sunlight resistance: UL 1581 Section 1200

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	1
Conductor Size	7*0.2mm 24 AWG
Insulation Diameter	1.2 mm
Jacket Thickness	0.75 mm
Jacket Diameter	4.1 ±0.3 mm
Max. Pulling Tension	21 N/mm ²
Min. Bending Radius Minor Install	8 X D
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	91
Insulation Resistance at 20° C	MΩ*km	5000
Mutual Capacitance	pF/m	41
Inductance	mH/km	1
Test Voltage	V	2000
Operating Voltage	V _{rms}	300
Impedance	Ω/km	70±15



1 Pair 24 AWG Overall Shielded Cable RS-485

MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	FR PVC / LSZH
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
After Tensile Strength (Mpa)	≥10.35
Aging Elongation (%)	≥75
Cold Bend (-20±°C x 4 hrs)	No Crack

INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1	White/Blue

ORDERING INFORMATION

Part Number	Description	Net Weight Kg/km
78-420124Q	1 Pair 24 AWG Overall Shielded Cable RS485 PP Insulation, FR PVC Jacket	41
78-4201242	1 Pair 24 AWG Overall Shielded Cable RS485 PP Insulation, LSZH Jacket	40