

2 Pair 24 AWG Overall Foil & Braid Shielded Paired Plenum Cable RS 485

The Overall braid Shielded Paired Cable from NORDEN is suitable to use within Audio, Control, and Instrumentation purpose. The cable is constructed with PL-PVC insulation, 100 % Aluminium Foil Polyester Tape Overall Shielded with Tinned braid Coverage. This Cable is protected by Plenum Fire-rated PVC Outer Jacket.



CABLE CONSTRUCTION

Conductor

Stranded Tinned Copper

Shielding

AL-Mylar

Outer Jacket

PVC (Plenum-Rated)

Braid Shield Coverage

90% Tinned Copper

Insulation

PL-PVC

Foil Coverage

100%

Drain Wire

Stranded Tinned Copper

Jacket Color

Grey/Purple

PHYSICAL CHARACTERISTICS

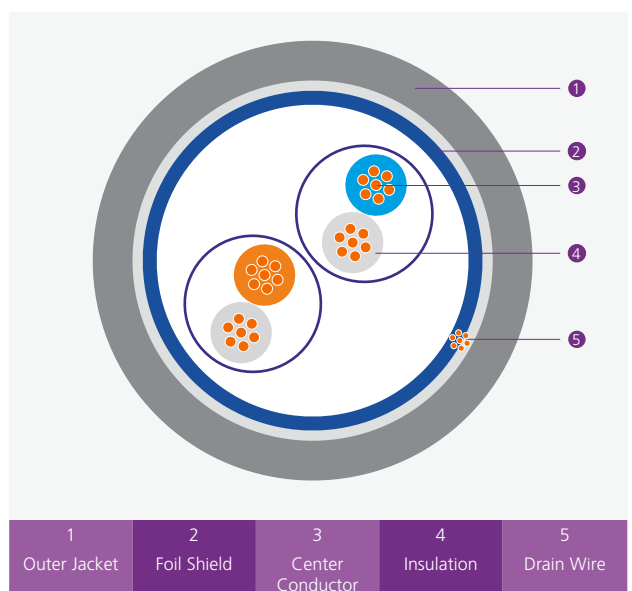
Characteristic	Value
No. of Pair	2
Conductor Size	24 AWG 7 x 0.2mm
Insulation Thickness	1.7±0.10mm
Drain Wire Size	24 AWG 7x0.20±0.004mm
Nom. Jacket Thickness	0.46mm
Nom. Jacket Diameter	7.2±0.3mm
Max. Recommended Pulling Tension	356 N
Min. Bending Radius Minor Axis	8 x cable diameter
Operating Temperature	-20°C to +60°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	Ω	120±10
Nom. Capacitance Cond. to Cond.	pF/m	36
Max. Conductor DCR	Ω/Km	87.6
Nom. Capacitance Cond. to Cond. & Shield	pF/m	68.5
Max. Recommended Current @25°C	Amps	2.7
Max. Operating Voltage UL	V/min	300

MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC
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



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INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1	White/Blue
Pair 2	White/Orange

ORDERING INFORMATION

Part Number	Description
78-1502243	2 Pair 24 AWG Overall Foil & Braid Shielded Paired Plenum Cable RS 485,305m