

2 Pair 20 AWG Overall Foil & Braid Shielded Paired Plenum Cable RS 485



The NORDEN Overall Foil & Braid Shielded Paired Cable is designed for use in Audio, Control, and Instrumentation applications. It features HDPE insulation and is shielded with Aluminium Foil Polyester Tape, providing 100% coverage with 25% overlap, along with 90% Tinned Copper braiding for additional protection. The cable is protected by a CMP outer jacket.



CABLE CONSTRUCTION

Conductor Stranded Tinned Copper	Shielding Aluminium Foil-Polyester Tape	Braid Shield 90% Tinned Copper	Outer Jacket PVC
Insulation HDPE	Foil Coverage 100%	Drain Wire Stranded Tinned Copper	Jacket Color Grey

PHYSICAL CHARACTERISTICS

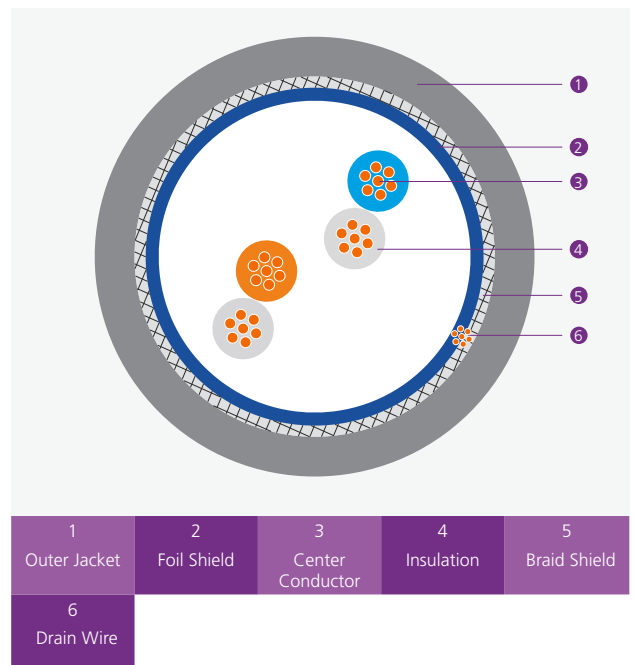
Characteristic	Value
No. of Pair	2
Conductor Size	20 AWG , 7 X 0.32 mm
Insulation Diameter	2.1 ± 0.10 mm
Drain Wire Size	7 X 0.2 mm
Nom. Jacket Thickness	0.80 mm
Nom. Jacket Diameter	9 ± 0.25 mm
Max. Recommended Pulling Tension	356 N
Min. Bending Radius	88.9 mm
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Max. Conductor DCR	Ω/ Km	36.7
Nom. Capacitance Cond. to Cond.	pF/m	180.2
Nom. Capacitance Cond. to Cond. & Shield	pF/m	311.5
Max. Recommended Current @ 25°C	A	3.1
Max. Operating Voltage	V	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
78-3502203	2 Pair 20 AWG Overall Foil & Braid Shielded Paired Plenum Cable RS 485 , 305m