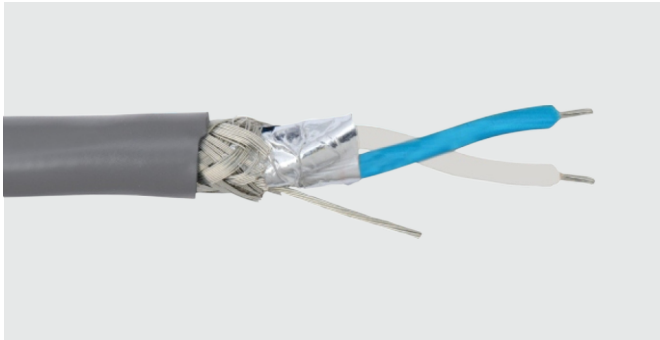
1 Pair 16AWG Overall
Foil & Braid Shielded Paired Cable RS485

POLYNOR

The overall braid shielded paired cable from NORDEN is suitable to use within Audio, Control and Instrumentation purposes. The cable is constructed with Foamed PE Insulation, 100% Aluminium Foil-Polyester Tape overall shielded with Tinned Copper braid coverage. This Cable is protected by a PVC or LSZH outer jacket.



CABLE CONSTRUCTION

Conductor
Tinned Copper

Insulation
Foam PE

Shielding
AL/PET

Foil Coverage
100%

Braid Shield
90% Tinned Copper

Drain Wire
Tinned Copper

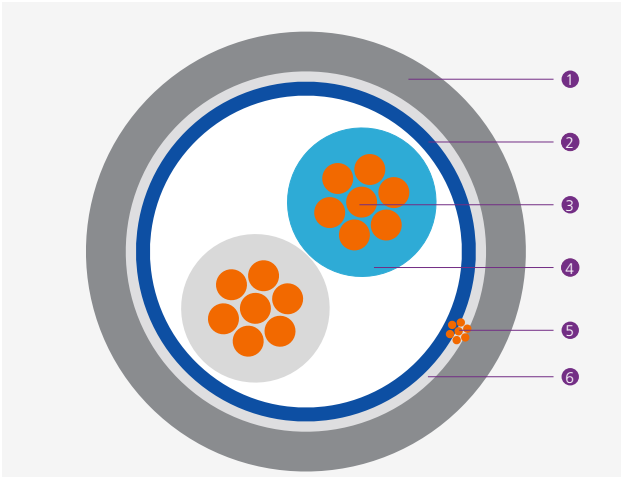
Outer Jacket
PVC/LSZH

Jacket Color
Black

LSZH Standard Compliance
IEC 60332-1& 2 (Fire flame test)
IEC 60754-1 (Emission of Halogen)
IEC 60754-2 (Corrosivity)
IEC 61034-1 (Emission of Smoke)
ISO4589-2 (Oxygen Index LOI)

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	1
Conductor Size	19 × 0.287 ± 0.01 mm
Insulation Diameter	3.5 ± 0.1 mm
Insulation Thickness	1.0 ± 0.25 mm
Drain Wire Size	7 × 0.254 ± 0.01 mm
Jacket Thickness	1.0 ± 0.25 mm
Jacket Diameter	9.7 ± 0.5 mm
Max. Recommended Pulling Tension	196.133 N (20KG)
Min. Bending Radius	10 X OD
Operating Temperature	-15°C to +70°C



1	2	3	4	5
Outer Jacket	Foil Shield	Center Conductor	Insulation	Drain Wire

6
Braid Shield

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	Ω	120 ± 15
Nom. Capacitance Cond. to Cond.	pF/m	23
Max. Conductor DCR @ 25°C	Ω/km	14.3
Nom. Capacitance Cond. to Cond. & Shield	pF/m	46
Max. Recommended Current @ 25°C	Amps	6.5
Max. Operating Voltage UL	V Rms	300

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MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC/LSZH
Before Tensile Strength (Mpa)	12
Aging Elongation (%)	180
After Tensile Strength (Mpa)	9.5
Aging Elongation (%)	140
Cold Bend (-20±°C x 4 hrs)	PASS

INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1	White/Blue

ORDERING INFORMATION

Part Number	Description
72-4501161	1 Pair 16AWG Overall Foil & Braid Shielded Paired Cable RS485,PVC
72-4501162	1 Pair 16AWG Overall Foil & Braid Shielded Paired Cable RS485,LSZH