

# 2 Pair 20 AWG Overall Foil & Braid Shielded Paired 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 Foarm HDPE insulation, 100 % Aluminium Foil Polyester Tape Overall Shielded with Tinned braid Coverage .This Cable is protected by PVC/HFFR Outer Jacket.



## CABLE CONSTRUCTION

<b>Conductor</b> Stranded Tinned Copper	<b>Shielding</b> Aluminium foil-polyester tape	<b>Outer Jacket</b> PVC/HFFR	<b>Braid Shield Coverage</b> 90% Tinned Copper
<b>Insulation</b> PE	<b>Foil Coverage</b> 100%	<b>Drain Wire</b> Tinned Copper	<b>Jacket Color</b> Grey

## PHYSICAL CHARACTERISTICS

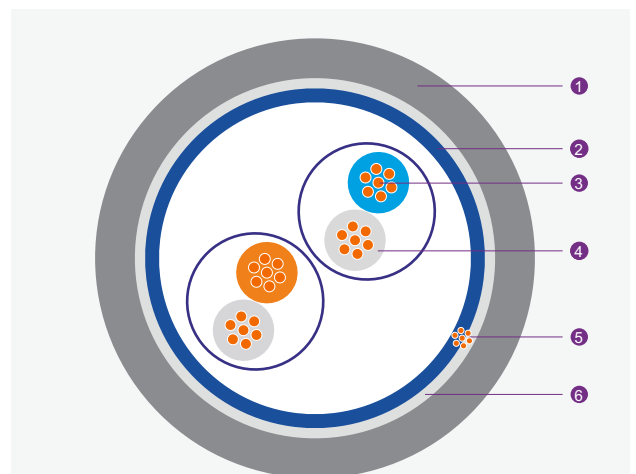
Characteristic	Value
No. of Pair	2
Conductor Size	20 AWG 7 x 28
Insulation Thickness	0.56 mm
Drain Wire Size	24 AWG 7 x 32
Nom. Jacket Thickness	0.89mm
Nom. Jacket Diameter	8.9±0.2 mm
Max. Recommended Pulling Tension	356 N
Min. Bending Radius Minor Axis	88.9 mm
Operating Temperature	-20°C to +60°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Capacitance Cond. to Cond.	pF/m	180.2
Max. Conductor DCR	Ω/Km	30.0
Nom. Capacitance Cond. to Cond. & Shield	pF/m	311.5
Max. Recommended Current @25°C	Amps	3.1
Max. Operating Voltage UL	V/min	300

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC/HFFR
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



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

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## INSULATION COLOUR CODE

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

## ORDERING INFORMATION

Part Number	Description
78-3501201	1 Pair 20 AWG Overall Foil & Braid Shielded Paired Cable RS485 PVC, 305m
78-3502201	2 Pair 20 AWG Overall Foil & Braid Shielded Paired Cable RS485 PVC, 305m
78-3502209	2 Pair 20 AWG Overall Foil & Braid Shielded Paired Cable RS485 HFFR, 305m