

# 1 Pair 24 AWG Overall Braid Shielded Paired Cable RS 485



The Overall braid shielded paired cable from NORDEN is suitable to use with in Audio, Control and Instrumentation purpose. The cable is constructed with PP or PE Insulation, 100% Aluminium Foil-Polyester Tape Overall Shielded with Tinned braid Coverage. This Cable is protected by PVC or LSZH outer Jacket.



## CABLE CONSTRUCTION

Conductor  
Tinned Copper

Shielding  
Aluminium Foil - Polyester Tape

Braid Shield Coverage  
90% Tinned Copper

Outer Jacket  
PVC / LSZH

Insulation  
PE/PP

Foil Coverage  
100%

Drain Wire  
Tinned Copper

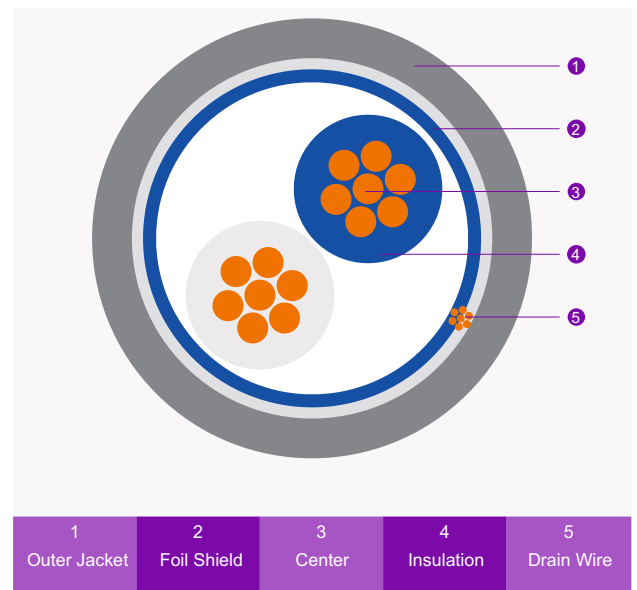
Jacket Color  
Grey

## PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	1
Conductor Size	24 AWG 7 x 32
Insulation Thickness	0.40 mm
Insulation Diameter	1.4mm
Drain Wire Size	24 AWG 7 x 32
Jacket Thickness	0.70 mm
Jacket Diameter	4.8mm
Max. Recommended Pulling Tension	238 N
Min. Bending Radius Minor Axis	44.45 mm
Operating Temperature	-30°C to +60°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	$\Omega$	120.0
Nom. Capacitance Cond. to Cond.	pF/m	42.2
Max. Conductor DCR	$\Omega$ /km	77.7
Nom. Capacitance Cond. to Cond. & Shield	pF/m	75.67
Max. Recommended Current @ 25°C	Amps	2.75
Max. Operating Voltage UL	V/min	300



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## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC & LSZH
Before Tensile Strength (Mpa)	$\geq 13.8$
Aging Elongation (%)	$\geq 100$
After Tensile Strength (Mpa)	$\geq 10.35$
Aging Elongation (%)	$\geq 75$
Cold Bend (-20 $\pm$ °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
78-4501241	1 Pair 24 AWG Overall Braid Shielded Paired Cable RS485 PP Insulation	31
78-3501241	1 Pair 24 AWG Overall Braid Shielded Paired Cable RS485 PE Insulation	31
78-3501242	1 Pair 24 AWG Overall Braid Shielded Paired Cable RS485 PE Insulation, LSZH Jacket	32.5

