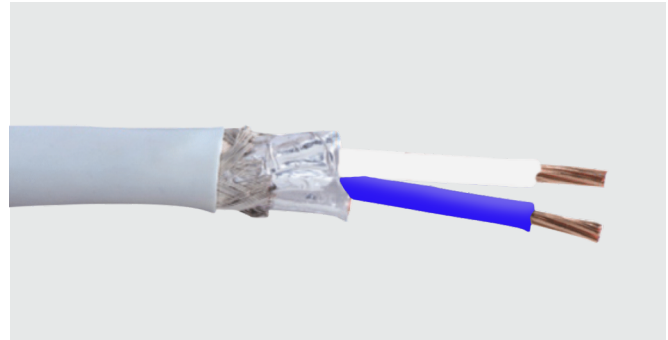


# 1 Pair 24 AWG Overall Braid Shielded Paired Cable RS 485



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

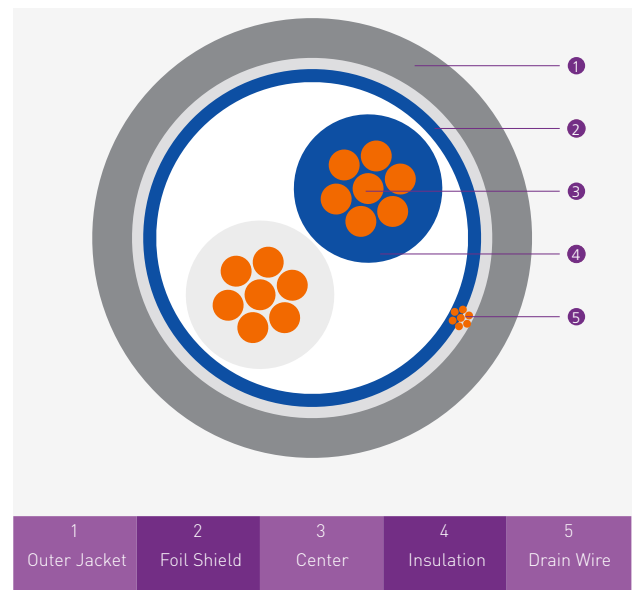
<b>Conductor</b> Tinned Copper	<b>Shielding</b> Aluminium Foil - Polyester Tape	<b>Braid Shield Coverage</b> 90% Tinned Copper	<b>Outer Jacket</b> PVC / LSZH
<b>Insulation</b> PE/PP	<b>Foil Coverage</b> 100%	<b>Drain Wire</b> Tinned Copper	<b>Jacket Color</b> Grey

## PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	1
Conductor Size	24 AWG 7 x 32
Insulation Thickness	0.40 mm
Insulation Diameter	1.72 mm
Drain Wire Size	24 AWG 7 x 32
Jacket Thickness	0.70 mm
Jacket Diameter	4.5 mm
Max. Recommended Pulling Tension	238 N
Min. Bending Radius Minor Axis	44.45 mm
Operating Temperature	-30C to +60C

## 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



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



## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC & LSZH
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

## 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