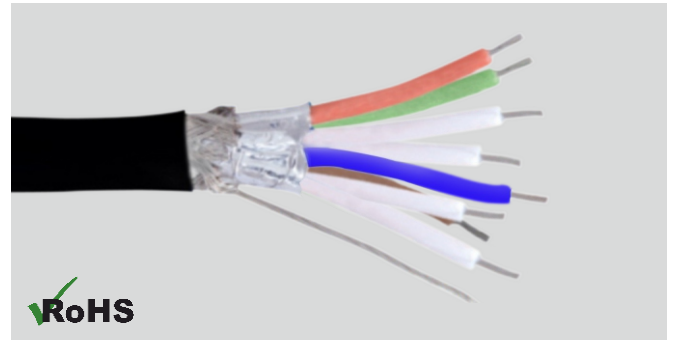


# 4PAIR 18 AWG OVERALL FOIL & BRAID SHIELDED PAIRED CABLE RS485 HFFR



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 65% Tinned Copper wire braid Coverage .This Cable is protected by HFFR outer jacket.



## CABLE CONSTRUCTION

<b>Conductor</b> Stranded Tinned Copper	<b>Shielding</b> Aluminium Foil - Polyester Tape	<b>Braid Shield</b> 65 % Tinned Copper	<b>Outer Jacket</b> HFFR
<b>Insulation</b> Foam PE	<b>Foil Coverage</b> 100%	<b>Drain Wire</b> Tinned Copper	<b>Jacket Color</b> Black

## PHYSICAL CHARACTERISTICS

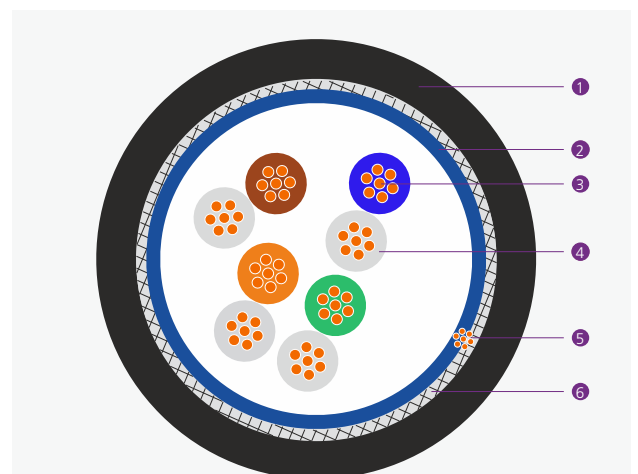
Characteristic	Value
No. of Pair	4
Conductor Size	18 AWG , 19 x 0.235 ± 0.005
Insulation Diameter	2.9 ± 0.1 mm
Insulation Thickness	0.80 ± 0.1 mm
Drain Wire Size	7 × 0.25 ± 0.01 mm
Jacket Thickness	1.2 ± 0.2 mm
Jacket Diameter	14.0 ± 0.8 mm
Operating Temperature	- 20°C to +70° C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	Ω	120±15
Max. Conductor DCR @ 20°C	Ω/km	22.7
Nom. Capacitance Cond. to Cond.	pF/m	23
Nom. Capacitance Cond. to Shield	pF/m	46
Max. Recommended Current @ 25°C	Amps	2.1
Max. Operating Voltage	V	300
Velocity of Propagation	%	66

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	HFFR
Before Tensile Strength (Mpa)	≥ 10
Aging Elongation (%)	≥ 150
After Tensile Strength (Mpa)	≥ 7
Aging Elongation (%)	≥ 105
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				

Building & Industrial Cables - Version 1.0

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## INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1	White/Blue
Pair 2	White/Orange
Pair 3	White/Green
Pair 4	White/Brown

## ORDERING INFORMATION

Part Number	Description
78-3504189	4Pair 18 AWG Overall Foil & Braid Shielded Paired Cable RS485 HFFR