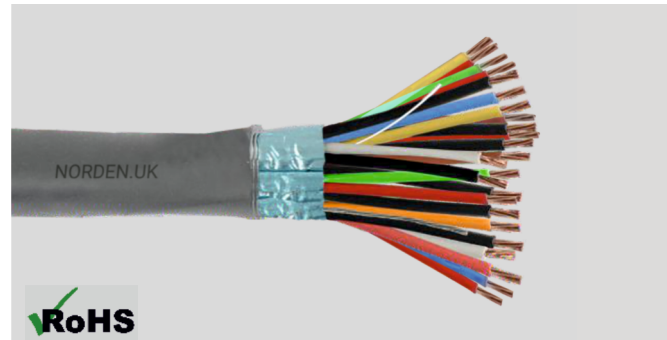


# 16 Pair 18 AWG Overall Foil Shielded Paired Cable

The Shielded Paired Cable from NORDEN is suitable to use for Audio, Control, and Instrumentation purposes. The cable is constructed with PE insulation, an overall shield of 100 % Aluminium– Polyester Foil and PVC / LSZH outer jacket.



## CABLE CONSTRUCTION

<b>Conductor</b> Stranded Tinned Copper	<b>Shielding</b> Al-Polyester Foil	<b>Outer Jacket</b> PVC/LSZH	<b>Jacket Color</b> Grey
<b>Insulation</b> PE (Polyethylene)	<b>Foil Coverage</b> 100%	<b>Drain Wire</b> Stranded Tinned Copper	<b>Rip Cord</b> Yes

## PHYSICAL CHARACTERISTICS

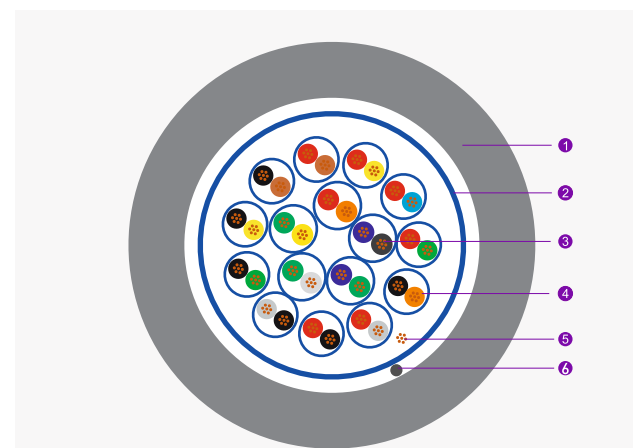
Characteristic	Value
No. of Pair	16
Conductor Size	18 AWG , 7 x 0.4 mm
Insulation Diameter	1.8 ± 0.05 mm
Insulation Thickness	0.3 mm
Drain Wire Size	7 x 0.2 mm
Jacket Thickness	1.2 mm
Jacket Diameter	16.7 ± 0.4 mm
Max. Recommended Pulling Tension	940 LBS
Min. Bend Radius ( Install )	15 X OD
Operating Temperature	-20°C to +75°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Capacitance Cond. to Cond.	pF/m	85 ± 20
Nom. Capacitance Cond. to Cond. & Shield	pF/m	160 ± 20
Nom. Conductor DCR	Ω/km	≤ 20.6
Nom. Characteristic Impedance	Ω	45 ± 15
Max. Recommended Current @ 25°C	A	52
Voltage Rating	V	300
Sparker Test	VAC	3000

## MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC/LSZH
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
After Tensile Strength (% of unaged)	≥85
Aging Elongation (% of unaged)	≥50
Cold Bend (-20±°C x 4 hrs)	No Crack



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

# 16 Pair 18 AWG Overall Foil Shielded Paired Cable



## INSULATION COLOUR CODE

Individual Pair	Colour
Pair 1	Black/Red
Pair 2	Black/White
Pair 3	Black/Green
Pair 4	Black/Blue
Pair 5	Black/Yellow
Pair 6	Black/Brown
Pair 7	Black/Orange
Pair 8	Red/White
Pair 9	Red/Green
Pair 10	Red/Blue
Pair 11	Red/Yellow
Pair 12	Red/Brown
Pair 13	Red/Orange
Pair 14	Green/White
Pair 15	Green/Blue
Pair 16	Green/Yellow

## ORDERING INFORMATION

Part Number	Description
72-3216181	16 Pair x 18 AWG Overall Foil Shielded Paired Cable PVC ( PE Insulation & PVC Outer Jacket)
72-3216182	16 Pair x 18 AWG Overall Foil Shielded Paired Cable LSZH ( PE Insulation & LSZH Outer Jacket)