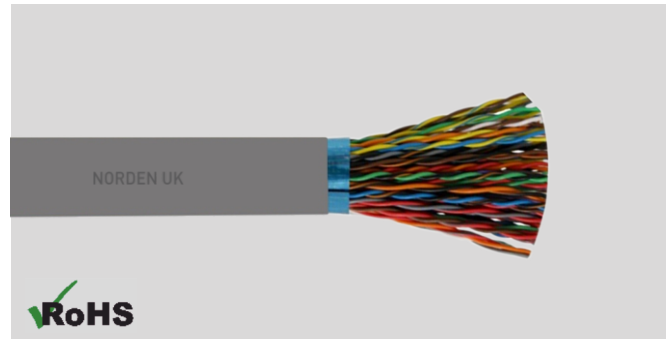


# 20 Pair 18 AWG Overall Foil Shielded Paired Cable

POLYNOR

The Shielded Paired Cable from NORDEN is suitable to use within Audio, Control and Instrumentation purpose. The cable is constructed with PE Insulation, 100 % Aluminium Foil – Polyester tape and PVC/LSZH outer jacket.



## CABLE CONSTRUCTION

### Conductor

Stranded Tinned Copper

### Shielding

Al-Polyester Foil

### Rip Cord

Yes

### Outer Jacket

PVC/LSZH

### Insulation

PE

### Foil Coverage

100%

### Drain Wire

Stranded Tinned Copper

### Jacket Colour

Grey

## PHYSICAL CHARACTERISTICS

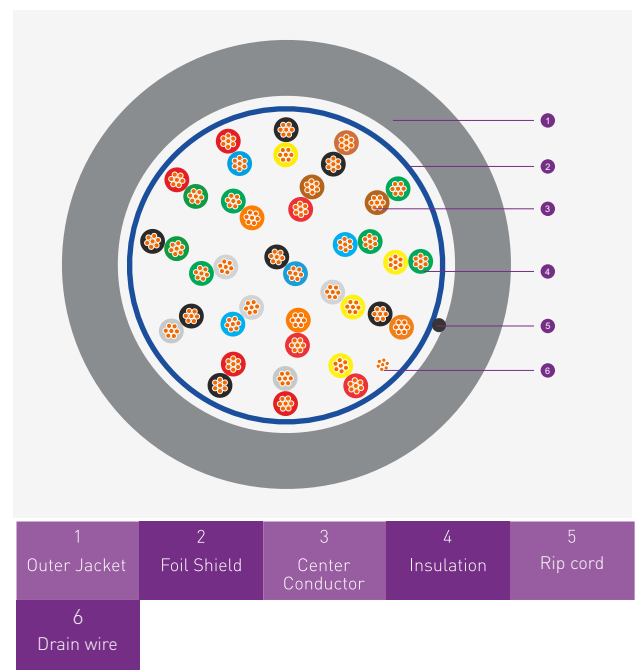
Characteristic	Value
No. of Pair	20
Conductor Size	18 AWG 7 X 0.4 mm
Insulation Thickness	0.3 mm
Insulation Diameter	1.8 ± 0.05 mm
Drain Wire Size	7 X 0.2 mm
Jacket Thickness	1.2 mm
Jacket Diameter	18.5 ± 0.4mm
Max. Recommended Pulling Tension	1148 LBS
Min. Bending Radius Minor Axis	15XOD
Operating Temperature	-20°C to +75°C

## ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Conductor DCR	Ω/km	≤ 20.6
Nom. Characteristic Impedance	Ω	45 ± 15
Nom. Capacitance Cond. to Cond	pF/m	85 ± 20
Nom. Capacitance Cond. to Cond. & Shield	pF/m	160 ± 20
Max. Recommended Current @ 25°C	A	52
Max. Operating Voltage UL	V/min	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 (Mpa)	≥ 10.35
Aging Elongation (%)	≥ 75
Cold Bend [-20±°C x 4 hrs]	No Crack



# 20 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
Pair 17	Green/Brown
Pair 18	Green/Orange
Pair 19	White/Blue
Pair 20	White/Yellow

## ORDERING INFORMATION

Part Number	Description
72-3220181	20P x 18 AWG Overall Foil Shielded Paired Cable PVC, 305 Meter
72-3220182	20P x 18 AWG Overall Foil Shielded Paired Cable LSZH, 305 Meter