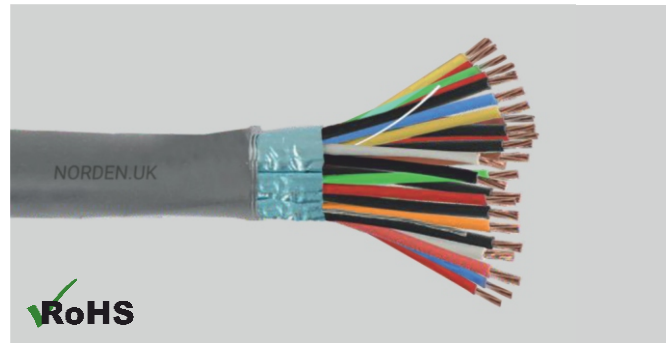


32 PAIR 18 AWG OVERALL FOIL SHIELDED PAIRED CABLE



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

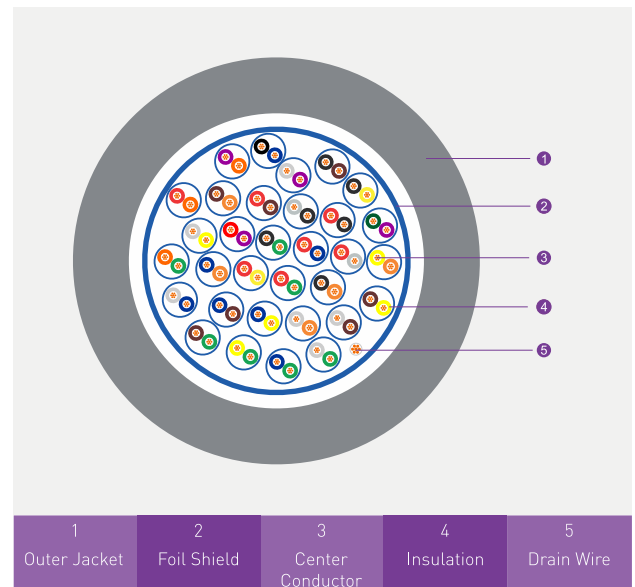
Conductor Stranded Tinned Copper	Shielding 100% Al-Polyester Foil	Outer Jacket PVC / LSZH	Jacket Color Grey
Insulation PE (Polyethylene)	Drain Wire Stranded Tinned Copper	Rip Cord Yes	

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	32
Conductor Size	18 AWG, 7x0.4mm
Insulation Diameter	1.8 ± 0.05 mm
Insulation Thickness	0.3 mm
Drain Wire Size	7 x 0.2 mm
Jacket Thickness	1.5 mm
Jacket Diameter	24.2 ± 0.5 mm
Max. Recommended Pulling Tension	1400 LBS
Min. Bend Radius (Install)	15 X OD
Operating Temperature	-20°C to +75°C

ELECTRICAL CHARACTERISTICS

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



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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

INSULATION COLOUR CODE

Individual Core	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
Pair 21	White/Brown
Pair 22	White/Orange
Pair 23	Blue/Yellow
Pair 24	Blue/Brown
Pair 25	Blue/Orange
Pair 26	Brown/Yellow
Pair 27	Brown/Orange
Pair 28	Orange/Yellow
Pair 29	Purple/Orange
Pair 30	Purple/Red
Pair 31	Purple/White
Pair 32	Purple/Dark Green

ORDERING INFORMATION

Part Number	Description
72-3232181	32 Pair x 18 AWG Overall Foil Shielded Paired Cable PVC (PE Insulation & PVC Outer Jacket)
72-3232182	32 Pair x 18 AWG Overall Foil Shielded Paired Cable LSZH (PE Insulation & LSZH Outer Jacket)