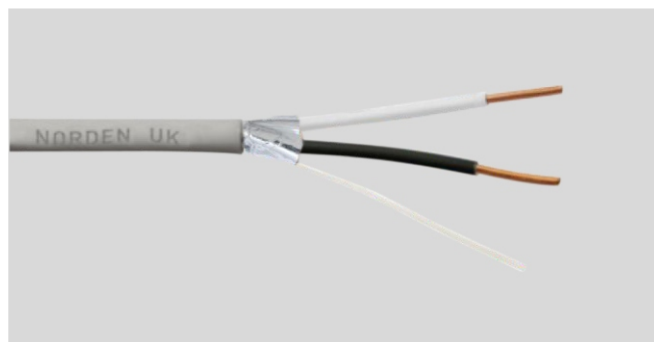


2 Core 18 AWG Shielded Solid Conductor Cable

The Shielded Solid Conductor 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 Shielded and PVC or LSZH outer jacket.



CABLE CONSTRUCTION

Conductor

Solid Bare Copper

Foil Coverage

100%

Rip Cord

Nylon

LSZH Standard Compliance

IEC 60332-1 & 2 (Fire flame test)
IEC 60754-1 (Emission of Halogen)
IEC 60754-2 (Corrosivity)
IEC 61034-1 (Emission of Smoke)
ISO4589-2 (Oxygen Index LOI)

Insulation

PE (High Density Polyethylene)

Outer Jacket

PVC/LSZH

Jacket Color

Grey

Shielding

Aluminium foil-polyester tape

Drain Wire

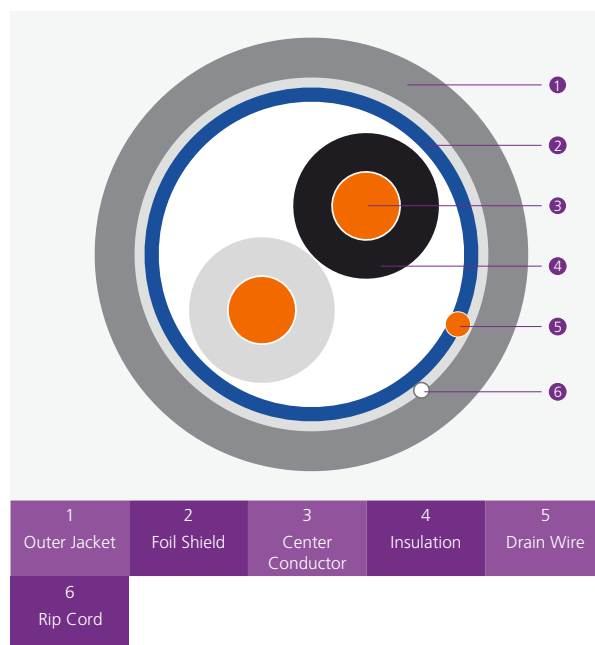
Solid Tinned Copper

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	2
Conductor Size	18 AWG, 1.02mm
Insulation Diameter	1.60 mm
Drain Wire Size	22 AWG, 0.64mm
Jacket Thickness	0.45 mm
Jacket Diameter	4.10 mm
Max. Recommended Pulling Tension	255 N
Min. Bending Radius Minor Axis	32.8 mm
Operating Temperature	-10°C to +60°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Capacitance Cond. to Cond.	pf/m	173.9
Nom. Conductor DCR	Ω/km	21.3
Nom. Capacitance Cond. to Cond. & Shield	pf/m	311.7
Dielectric Strength between Pairs	KV/5min	1.5
Max. Operating Voltage UL	V/min	300



2 Core 18 AWG Shielded Solid Conductor Cable



MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC and LSZH
Before Tensile Strength (Mpa)	≥ 13.8
Aging Elongation (%)	≥ 100
After Tensile Strength (Mpa)	≥ 10.35
Aging Elongation (%)	≥ 75
Cold Bend [-20 \pm °C x 4 hrs]	No Crack

INSULATION COLOUR CODE

Individual Core	Colour
Core 1	Clear
Core 2	Black

ORDERING INFORMATION

Part Number	Description	Net Weight (Kg/km)
79-3202181	2 Core 18 AWG Shielded Solid Conductor Cable PVC, 305m	29.5
79-3202182	2 Core 18 AWG Shielded Solid Conductor Cable LSZH, 305m	31.0