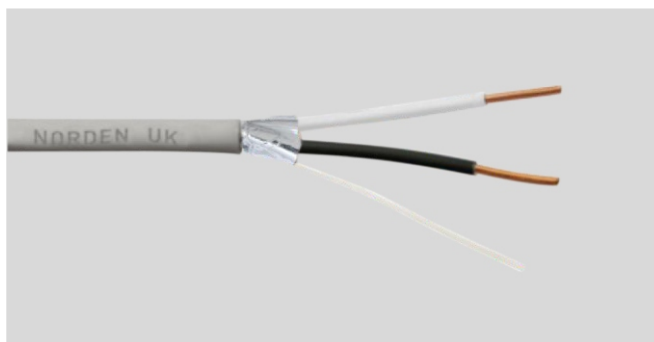


1 Pair 24 AWG Overall Foil Shielded Solid Conductor Cable

The Solid Conductor 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 Shielded and PVC Outer Jacket.



CABLE CONSTRUCTION

Conductor
Solid Tinned Copper

Foil Coverage
100%

Rip Cord
Nylon

LSZH Standard Compliance

Insulation
PE (High Density Polyethylene)

Outer Jacket
PVC

Jacket Color
Grey

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)

Shielding
Aluminium foil-polyester tape

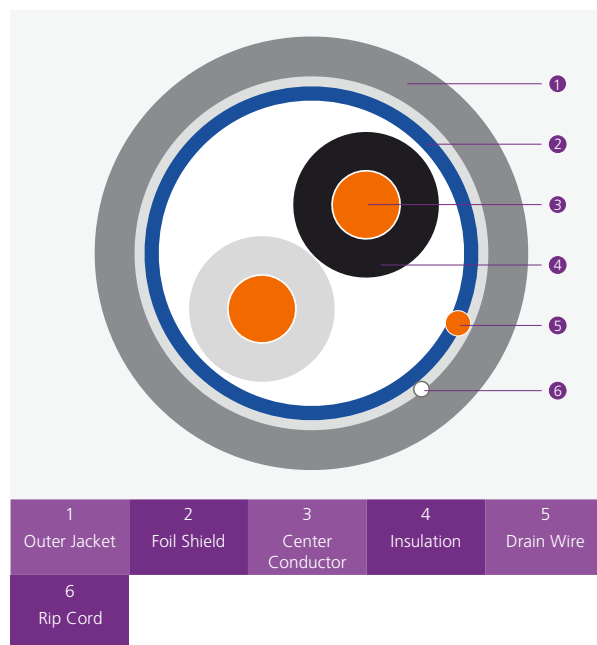
Drain Wire
Solid Tinned Copper

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Pair	1
Conductor Size	24 AWG, 0.51 mm
Insulation Thickness	0.40 mm
Insulation Diameter	1.72 mm
Drain Wire Size	24 AWG, 0.51 mm
Jacket Thickness	0.70 mm
Jacket Diameter	4.5 mm
Max. Recommended Pulling Tension	238 N
Min. Bending Radius Minor Axis	44.45 mm
Operating Temperature	-30°C to +60°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	Ω	110.0
Nom. Capacitance Cond. to Cond.	pf/m	3.75
Nom. Conductor DCR	Ω /km	77.7
Nom. Capacitance Cond. to Cond. & Shield	pf/m	8.125
Dielectric Strength between Pairs	kV/5min	2.75
Max. Operating Voltage UL	V/min	300



1 Pair 24 AWG Overall Foil Shielded Solid Conductor Cable



MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	PVC
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

INSULATION COLOUR CODE

Individual Core	Colour
Core 1	Black/Clear

ORDERING INFORMATION

Part Number	Description	Net Weight (Kg/km)
79-3201241	1 Pair 24 AWG Overall Foil Shielded Solid Conductor Cable PVC	31
79-3201242	1 Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH	32