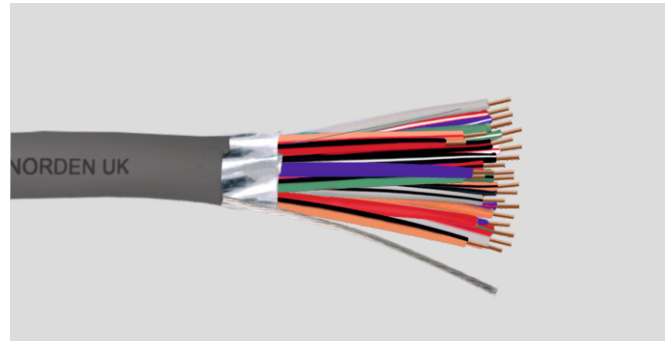


32 Core 16 AWG Shielded Solid Conductor Cable



The Shielded Solid Conductor Cable from NORDEN is suitable to use within Audio, Control and Instrumentation purpose. The cable is constructed with PE Insulation, Aluminium Foil – Polyester Tape Shielded and LSZH outer jacket.



CABLE CONSTRUCTION

Conductor
Solid Bare Copper

Outer Jacket
LSZH

Jacket Color
Grey

Insulation
PE

Drain Wire
Solid Tinned Copper

LSZH Standard Compliance
IEC 60754-1 (Emission of Halogen)
IEC 60754-2 (Corrosivity)
IEC 61034-1 (Emission of Smoke)

Shielding
Aluminium-Polyester Foil

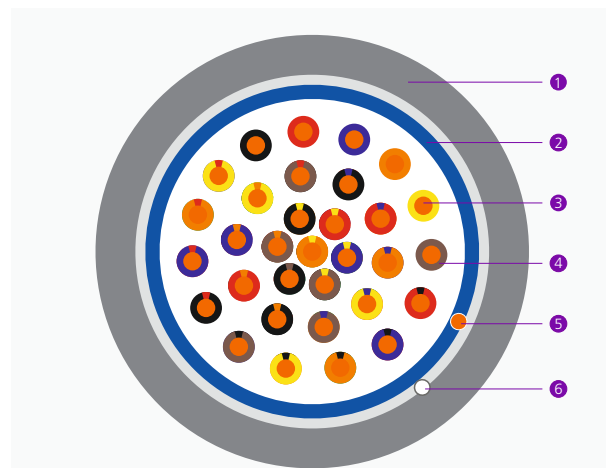
Rip Cord
Nylon

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	32
Conductor Size	16 AWG, 1.38mm
Insulation Diameter	2.3±0.05mm
Insulation Thickness	0.46±0.05mm
Drain Wire Size	0.8mm
Jacket Thickness	2.0mm
Jacket Diameter	20.3±0.3mm
Max. Recommended Pulling Tension	100N
Min. Bending Radius	10XOD
Operating Temperature	-20°C To +60°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Capacitance Cond. to Cond.	pF/m	55.0
Nom. Conductor DCR	Ω/km	12.0
Nom. Capacitance Cond. to Cond. & Shield	pF/m	130.0
Dielectric Strength between Pairs: Short or open of the loop	KV/1min	1.0
	Shield	KV/1min
Max. Operating Voltage	V	300



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

32 Core 16 AWG Shielded Solid Conductor Cable



MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	LSZH
Before Tensile Strength (Mpa)	13.8
Aging Elongation (%)	100
After Tensile Strength (Mpa)	11.8
Aging Elongation (%)	50
Cold Bend [-20±°C x 4 hrs]	No Crack

INSULATION COLOUR CODE

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

Individual Core	Colour
Core 17	Black/Blue Stripe
Core 18	Red/Blue Stripe
Core 19	Orange/Blue Stripe
Core 20	Yellow/Blue Stripe
Core 21	Brown/Blue Stripe
Core 22	Black/Orange Stripe
Core 23	Red/Orange Stripe
Core 24	Blue/Orange Stripe
Core 25	Yellow/Orange Stripe
Core 26	Brown/Orange Stripe
Core 27	Black/Yellow Stripe
Core 28	Red/Yellow Stripe
Core 29	Blue/Yellow Stripe
Core 30	Orange/Yellow Stripe
Core 31	Brown/Yellow Stripe
Core 32	Black/Brown Stripe

ORDERING INFORMATION

Part Number	Description
79-3232162	32 Core 16 AWG Shielded Solid Conductor Cable LSZH, 305m