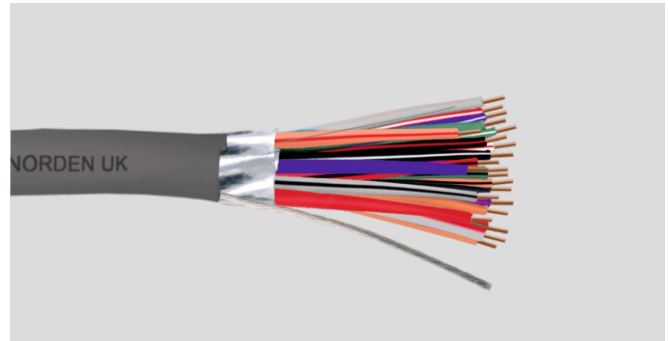


# 24 Core 16 AWG Shielded Solid Conductor Cable



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

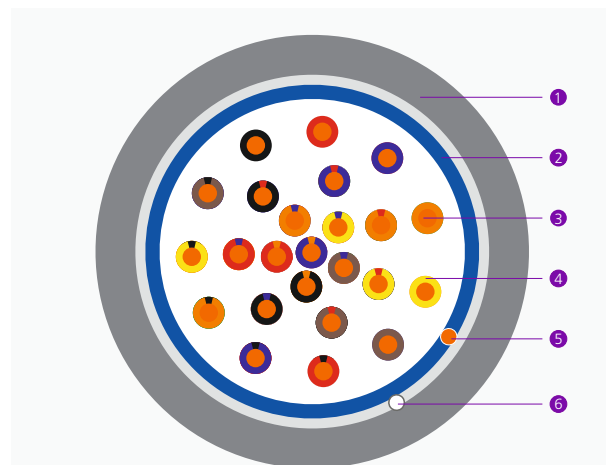
**Rip Cord**  
Nylon

## PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	24
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	1.8mm
Jacket Diameter	17.6±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				

# 24 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

Individual Core	Colour
Core 13	Blue/Red Stripe
Core 14	Orange/Red Stripe
Core 15	Yellow/Red Stripe
Core 16	Brown/Red Stripe
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

## ORDERING INFORMATION

Part Number	Description
79-3224162	24 Core 16 AWG Shielded Solid Conductor Cable LSZH, 305m