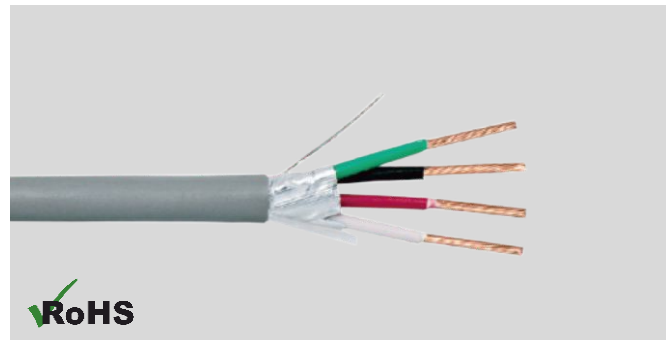


4 Core 18 AWG Overall Foil Shielded Multi-Conductor Cable FRNC



The Overall Foil Shielded Multiconductor Cable from NORDEN is suitable to use within Audio, Control, and Instrumentation purposes. The cable is constructed with PE insulation, 100 % Aluminium Foil – Polyester Tape Shielded and FRNC Outer Jacket.



CABLE CONSTRUCTION

Conductor
Stranded Bare Copper

Shielding
Al-Polyester Foil

Outer Jacket
FRNC

Insulation
PE

Drain Wire
Stranded Tinned Copper

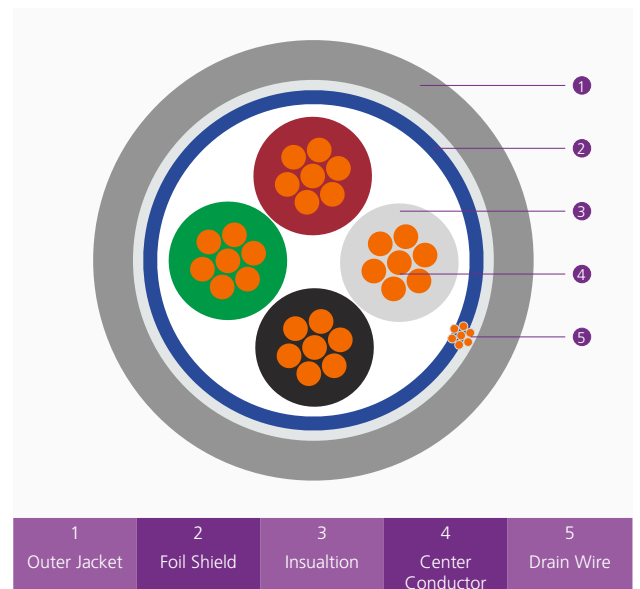
Jacket Color
As per customer's requirement

PHYSICAL CHARACTERISTICS

Characteristic	Value
No. of Conductor	4
Conductor Size	18 AWG 7 X 0.4mm
Insulation Diameter	1.8 ± 0.05mm
Drain Wire Size	7 X 0.2mm
Jacket Thickness	0.48mm
Jacket Diameter	5.2 ± 0.3 mm
Max. Recommended Pulling Tension	400 N
Min. Bending Radius Minor Axis	10XOD
Operating Temperature	-10°C to +60°C

ELECTRICAL CHARACTERISTICS

Characteristic	Unit	Value
Nom. Characteristic Impedance	Ω	45±15
Nom. Capacitance Cond. to Cond	pF/m	85±20
Nom. Conductor DCR	Ω/km	20.6
Nom. Capacitance Cond. to Cond. & Shield	pF/m	160±20
Max. Recommended Current @ 25°C	A	5.2
Max. Operating Voltage	V	300
Sparker Test	VAC	3000



- 1
Outer Jacket
- 2
Foil Shield
- 3
Insulation
- 4
Center Conductor
- 5
Drain Wire

4 Core 18 AWG Overall Foil Shielded Multi-Conductor Cable FRNC



MECHANICAL CHARACTERISTICS

Characteristic	Value
Test Material	FRNC
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	White
Core 3	Red
Core 4	Green

ORDERING INFORMATION

Part Number	Description
71-3204189	4 Core 18 AWG Overall Foil Shielded Multi-Conductor Cable FRNC