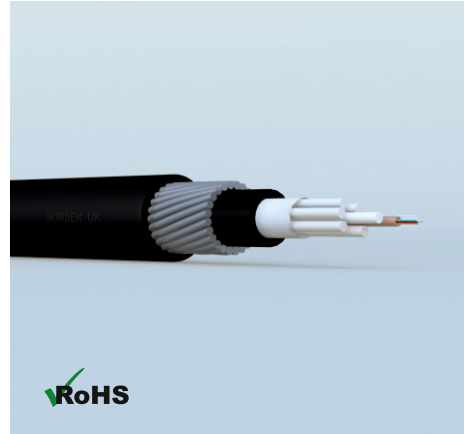


MULTI LOOSE TUBE GALVANIZED STEEL WIRE ARMoured OPTICAL CABLE

Norden Multi Loose Tube Galvanized Steel Wire Armoured Optical Cables are designed for long-distance communication and high-speed data transmission, making them ideal for building interconnections, trunk lines, LANs, and distribution networks. With large delivery lengths, they reduce the need for splicing and ensure efficient installation. These cables are constructed with multiple loose tubes filled with water-blocking jelly for enhanced protection. The FRP strength members improve tensile strength, while the water-blocking jelly and tape provide excellent moisture resistance. Additionally, galvanized steel wire armouring and PE inner and outer sheaths ensure mechanical durability, rodent protection, and UV resistance, making them suitable for direct burial and outdoor applications.



- Outer Jacket
- Inner Jacket
- Aluminium Tape
- Loose Tube
- Water Blocking Yarn
- Strength Member
- Possible Filler
- Optical Fibre
- Water Blocking Tape
- Galvanized Steel Wire Armour

COMPLIANCE

ITU-T G652.D OS2
 ISO/IEC 11801 , ISO/IEC 24702
 ANSI/TIA/EIA 568.3-D
 ROHS compliant Directive 2002/95/EC

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Installation	Operation
Installation	10000 N	3000 N
Crush Resistance	6000 N/100 mm	
Operating Temp.	-20°C to +60°C	
Storage Temp.	-40°C to +85°C	
Inner Sheath	PE, Optional: LSZH	
Outer Sheath	PE, Optional: LSZH	

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ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Cable Weight k g/km	Bend Radius	
				Short (mm)	Long (mm)
4053-31004FXXCL	04	14.4±0.5	364	20D	20D
4053-31006FXXCL	06	14.4±0.5	364	20D	20D
4053-31008FXXCL	08	14.4±0.5	364	20D	20D
4053-31012FXXCL	12	14.4±0.5	364	20D	20D
4053-31024FXXCL	24	14.4±0.5	364	20D	20D
4053-31048FXXCL	48	14.4±0.5	364	20D	20D
4053-31072FXXCL	72	15.2±0.5	392	20D	20D
4053-31096FXXCL	96	16.5±0.5	446	20D	20D
4053-31144FXXCL	144	19.8±0.5	662	20D	20D
4053-31288FXXCL	288	23.2±0.5	783	20D	20D

CL: BK(Black), OR(Orange), YL(Yellow), GN(Green), AQ(Aqua), RD(Red), BL(Blue)

ORDERING GUIDE

Cable Type	Jacket	Fibre/ Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
4053	1=PVC 2=LSZH 3=PE 7=FR-PVC(OFNR)	0 = 24 F/T 1 = 12 F/T 2 = 08 F/T 3 = 06 F/T 4 = 04F/T	No. of Fibre	OM1=62.5/125 OM1 OM2=50/125 OM2 OM3=50/125 OM3 OM4=50/125 OM4 OM5=50/125 OM5 OS1=9/125 [G652.B] OS1 OS2=9/125 [G652.D] OS2 500=9/125 [G655] OS2 7A1=9/125 [G657.A1] OS2 7A2=9/125 [G657.A2] OS2	As noted

' * Default value of Fibre Per Tube is "1" as per the ordering information, Follow the ordering guide for any other Specific customized fibre per tube requirement. '

PACKING INFORMATION

Part Number	Packing Length	Packing Mode	N.W (Kg/Km)	G.W (Kg/Km)	Dimension (mm)
4053-31004FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31006FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31008FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31012FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31024FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31048FXXCL	2000 x 1	Wooden Drum	728	793	1150 x 500 x 620 x 720
4053-31072FXXCL	2000 x 1	Wooden Drum	784	879	1100 x 600 x 1000 x 1100
4053-31096FXXCL	2000 x 1	Wooden Drum	892	1017	1200 x 700 x 1000 x 1100
4053-31144FXXCL	2000 x 1	Wooden Drum	1324	1464	1400 x 800 x 1000 x 1100
4053-31288FXXCL	2000 x 1	Wooden Drum	1566	1726	1600 x 800 x 1000x 1100