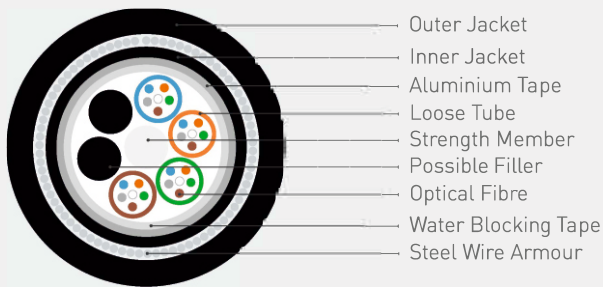
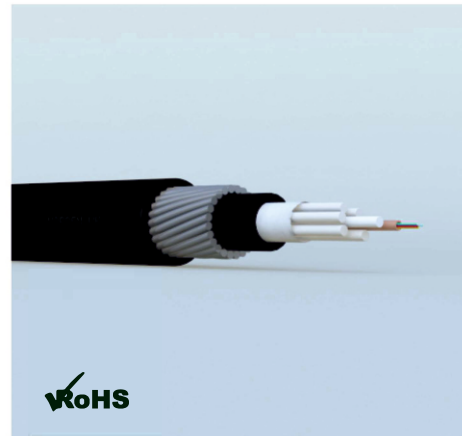


MULTI LOOSE TUBE STEEL WIRE ARMoured OPTICAL CABLE

Norden Multi Loose Tube 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 splicing needs and ensure efficient installation. These cables are built with multiple loose tubes filled with water-blocking jelly for enhanced protection. The FRP strength members improve tensile strength, while water-blocking jelly and tape provide excellent moisture resistance. Additionally, 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.



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 |
|-------------------|--------------------|-----------|
| Max. Tensile Load | 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 | |

MULTI LOOSE TUBE STEEL WIRE ARMOURED OPTICAL CABLE

ORDERING INFORMATION

| Part Number | Fibre Count | Outer Diameter (mm) | Cable Weight (kg/km) | Bend Radius | |
|-----------------|-------------|------------------------|-------------------------|---------------|--------------|
| | | | | Short (mm) | Long (mm) |
| 3114-31004FXXCL | 04 | 13.7±0.5 | 277.0 | 20D | 20D |
| 3114-31006FXXCL | 06 | 13.7±0.5 | 277.0 | 20D | 20D |
| 3114-31008FXXCL | 08 | 13.7 ± 0.5 | 277.0 | 20D | 20D |
| 3114-31012FXXCL | 12 | 13.7±0.5 | 277.0 | 20D | 20D |
| 3114-31024FXXCL | 24 | 13.7±0.5 | 277.0 | 20D | 20D |
| 3114-31048FXXCL | 48 | 14.4±0.5 | 306.0 | 20D | 20D |
| 3114-31072FXXCL | 72 | 15.2±0.5 | 332.0 | 20D | 20D |
| 3114-31096FXXCL | 96 | 16.5±0.5 | 385.0 | 20D | 20D |
| 3114-31144FXXCL | 144 | 19.2±0.5 | 511.0 | 20D | 20D |
| 3114-31155FXXCL | 155 | 19.2±0.5 | 513.0 | 20D | 20D |
| 3114-31216FXXCL | 216 | 19.2±0.5 | 517.0 | 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) |
|------------|---|---|----------------|--|--------------------|
| 3114 | 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 pVRp | G.W pVRp | Dimension (mm) |
|-----------------|----------------|--------------|-------------|-------------|-------------------|
| 3114-31004FXXCL | 2000 x 1 | Wooden Drum | 554.0 | 584.0 | 1050 x 760 x 400 |
| 3114-31006FXXCL | 2000 x 1 | Wooden Drum | 554.0 | 584.0 | 1050 x 760 x 400 |
| 3114-31008FXXCL | 2000 x 1 | Wooden Drum | 554.0 | 584.0 | 1050 x 760 x 400 |
| 3114-31012FXXCL | 2000 x 1 | Wooden Drum | 554.0 | 584.0 | 1050 x 760 x 400 |
| 3114-31024FXXCL | 2000 x 1 | Wooden Drum | 554.0 | 584.0 | 1050 x 760 x 400 |
| 3114-31048FXXCL | 2000 x 1 | Wooden Drum | 612.0 | 642.0 | 1050 x 760 x 400 |
| 3114-31072FXXCL | 2000 x 1 | Wooden Drum | 664.0 | 694.0 | 1050 x 760 x 400 |
| 3114-31096FXXCL | 2000 x 1 | Wooden Drum | 770.0 | 800.0 | 1050 x 760 x 400 |
| 3114-31144FXXCL | 2000 x 1 | Wooden Drum | 1022.0 | 1052.0 | 1050 x 760 x 400 |
| 3114-31155FXXCL | 2000 x 1 | Wooden Drum | 1026.0 | 1056.0 | 1050 x 760 x 400 |
| 3114-31216FXXCL | 2000 x 1 | Wooden Drum | 1034.0 | 1064.0 | 1050 x 760 x 400 |