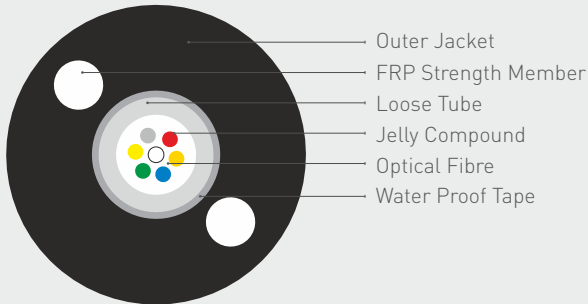
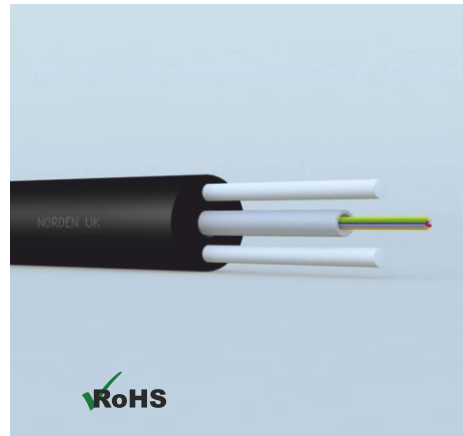


CENTRAL LOOSE TUBE FRP STRENGTH FIBRE OPTIC CABLE

Non metallic FRP strength members in the cable give it good tensile strength and electro- magnetic protection. It has a small diameter, light weight and thicker wall PE protection, allowing for use in versatile applications. It can be used in cable assemblies, external distribution and transmission and places of high electro-magnetic interferences.

Single jelly compound filled loose tube containing up to 12 fibres, PE sheath protects cable from ultraviolet radiation and heat hence it can be used for external applications. The cable is suitable for ducts and aerial applications for service drop cable, building interconnection in campus LAN, distribution and trunk cables.



COMPLIANCE

- ITU-T G652.B OS1
- ITU-T G652.D/G655/G657.A1/G657.A2 OS2
- ITU-T G651.1 OM1 OM2 OM3 OM4
- IEC60793-2-10 type A1a.1/A1b OM1/OM2
- IEC60793-2-10 type A1a.2 OM3
- IEC60793-2-10 type A1a.3 OM4
- ISO/IEC 11801 , ISO/IEC 24702
- ANSI/TIA/EIA 568C.3
- RoHS Compliant Directive 2002/95/EC
- LSZH: IEC 60332-1, IEC 60754, IEC 61034

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

| Characteristics | Short Term | Long Term |
|-------------------|--------------------------------------|--------------|
| Max. Tensile Load | 1500 N | 600 N |
| Max. Crush Load | 1000 N/100 mm | 300 N/100 mm |
| Operating Temp. | -20 °C to +60 °C | |
| Storage Temp. | -40 °C to +85 °C | |
| Sheath Material | Standard: PE Optional: LSZH or other | |

ORDERING INFORMATION

| Part Number | Fibre Count | Outer Diameter (mm) | Loose Tube Diameter (mm) | Cable Weight (kg/km) | Bend Radius | |
|-----------------|-------------|---------------------|--------------------------|----------------------|-------------|-----------|
| | | | | | Short (mm) | Long (mm) |
| 3101-31002FXXCL | 2 | 7.2 | 2.3 | 65.0 | 20D | 10D |
| 3101-31004FXXCL | 4 | 7.2 | 2.3 | 65.0 | 20D | 10D |
| 3101-31006FXXCL | 6 | 7.2 | 2.3 | 65.0 | 20D | 10D |
| 3101-31008FXXCL | 8 | 7.2 | 2.3 | 65.0 | 20D | 10D |
| 3101-31012FXXCL | 12 | 8.0 | 2.5 | 80.0 | 20D | 10D |



CENTRAL LOOSE TUBE FRP STRENGTH FIBRE OPTIC CABLE

ORDERING GUIDE

| Cable Type | Jacket | No. of Tube | Fibre Count | Fibre Type (FXX) | Jacket Colour (CL) |
|------------|-------------------------|-------------|--------------|--|--------------------|
| 3101 | 1=PVC 2=LSZH 3=PE | 1 | No. of Fibre | OM1=62.5/125 OM1 OM2=50/125 OM2 OM3=50/125 OM3 OM4=50/125 OM4 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 |

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

PACKING INFORMATION

| Part Number | Packing Length | Packing Mode | N.W (kg) | G.W (kg) | Dimension (mm) |
|-----------------|----------------|--------------|----------|----------|-----------------|
| 3101-31002FXXCL | 2500 x 1 | Wooden Drum | 162.0 | 187.0 | 800 x 800 x 570 |
| 3101-31004FXXCL | 2500 x 1 | Wooden Drum | 162.0 | 187.0 | 800 x 800 x 570 |
| 3101-31006FXXCL | 2500 x 1 | Wooden Drum | 162.0 | 187.0 | 800 x 800 x 570 |
| 3101-31008FXXCL | 2500 x 1 | Wooden Drum | 162.0 | 187.0 | 800 x 800 x 570 |
| 3101-31012FXXCL | 2500 x 1 | Wooden Drum | 200.0 | 225.0 | 800 x 800 x 570 |