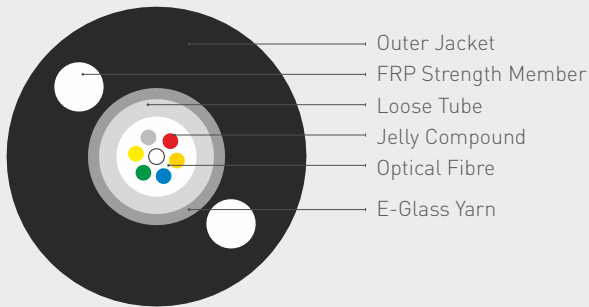
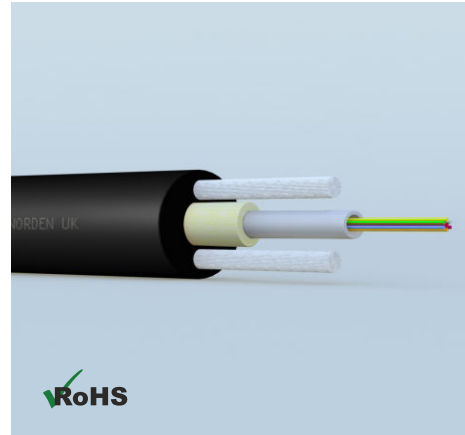


# CENTRAL LOOSE TUBE E-GLASS FRP STRENGTH OPTICAL CABLE

Non metallic FRP strength members in the cable give it good tensile strength and electro- magnetic protection. E-Glass gives better tensile strength and protection to the cable. 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. HDPE 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
- IEC60794-1
- ISO/IEC 11801 , ISO/IEC 24702
- ANSI/TIA/EIA 568C.3
- RoHS Compliant Directive 2002/95/EC

## CONSTRUCTION

Loose Tube Material	PBTB
Peripheral Strength Member	FRP Rod (2 Nos.)
Peripheral Strength Member	Glass Yarn
Tube Filling Compound	Thixotropic jelly
Outer Sheath	HDPE, Black, 2.0mm

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	
Tensile Load	500 N
Crush Load	2000 N/100 mm
Impact Strength	5 NM
Torsion	±360°
Storage Temp.	-40 °C to +85 °C
Operating Temp.	-10 °C to +70 °C

# CENTRAL LOOSE TUBE E-GLASS FRP STRENGTH OPTICAL CABLE

## ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3160-31002FXXCL	2	7.0	2.5	47.0	20D	10D
3160-31004FXXCL	4	7.0	2.5	47.0	20D	10D
3160-31006FXXCL	6	7.0	2.5	47.0	20D	10D
3160-31008FXXCL	8	7.0	2.5	47.0	20D	10D
3160-31012FXXCL	12	7.2	2.5	50.0	20D	10D

## ORDERING GUIDE

Cable Type	Jacket	No. of Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
3160	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)
3160-31002FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-31004FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-31006FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-31008FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-31012FXXCL	2000 x 1	Wooden Drum	100.0	124.0	800 x 800 x 570