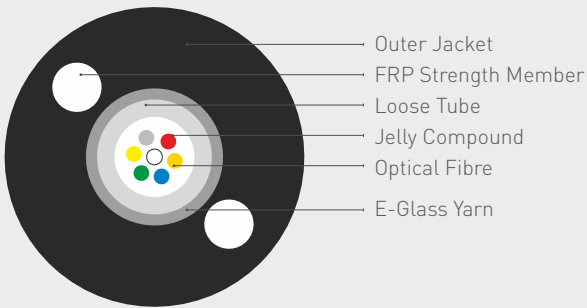
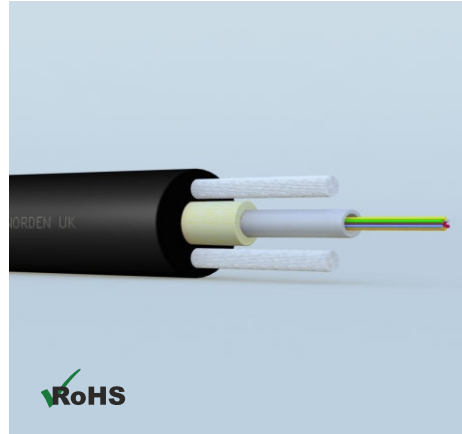


# CENTRAL LOOSE TUBE E-GLASS FRP STRENGTH OPTICAL CABLE

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 can be used in cable assemblies, external distribution and transmission and places of high electromagnetic interferences.

Single jelly compound filled loose tube containing up to 12 fibres. LSZH sheath protects cable from fire and flammability resistance, minimizing smokes and spreading fire. The cable is suitable for external applications, 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 568.3-D  
 RoHS Compliant Directive 2002/95/EC

### CPR Compliance to Dca s2,d2,a1

EN 60332-1-2, EN 50399  
 EN 61034-2, EN 60754-2

## CONSTRUCTION

Loose Tube Material	PBTB
Peripheral Strength Member	FRP Rod (2 Nos.)
Peripheral Strength Member	Glass Yarn
Tube Filling Compound	Thixotropic jelly
Outer Sheath	LSZH, 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-D1002FXXCL	2	7.0	2.5	47.0	20D	10D
3160-D1004FXXCL	4	7.0	2.5	47.0	20D	10D
3160-D1006FXXCL	6	7.0	2.5	47.0	20D	10D
3160-D1008FXXCL	8	7.0	2.5	47.0	20D	10D
3160-D1012FXXCL	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	D=LSZH (Dca)	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 (m)	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
3160-D1002FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-D1004FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-D1006FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-D1008FXXCL	2000 x 1	Wooden Drum	94.0	118.0	800 x 800 x 570
3160-D1012FXXCL	2000 x 1	Wooden Drum	100.0	124.0	800 x 800 x 570