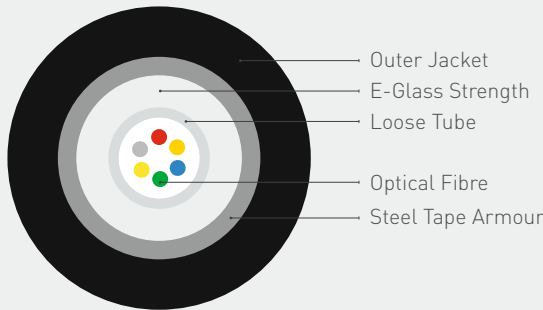
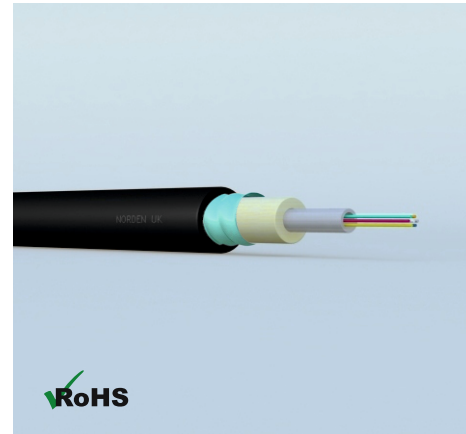


E-GLASS STRENGTH CENTRAL LOOSE TUBE GEL FREE ARMoured IN/OUT OPTICAL CABLE

This cable is constructed with Central Loose Tube and E-glass gives better tensile strength and protection. High Mechanical and full rodent protection provided by Corrugated steel tape (CTS) armour.

The cable has excellent UV-Stabilized and water blocking performance for external duct application (PE outer jacket) with Gel free fibre cable construction. By installing this cable costly splicing at building entry can be avoided and cable can be routed from outside plant to telecommunication closets or main distribution frames (MDF) through the riser of building and eliminate the "50 foot rule" for external cables. The cable is mostly used in LAN application for intra building backbone and interconnections (Campus LAN).



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, BELLCORE GR 20 / IEC 794-1
 ROHS compliant Directive 2011/65/EU

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Characteristics	Short Term	Long Term
Pulling tension	1600 N	800 N
Max. Crush Load	30 KN/m	
Operating Temp.	-20 °C to +60 °C	
Storage Temp.	-40 °C to +85 °C	
Sheath Material	HDPE	

OPTICAL CHARACTERISTICS

Fibre Type	Max. Attenuation (dB/km)				Min. Overfill Launch Bandwidth (Mhz · km)		Min. Gigabit Ethernet Link Distance (m)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10Gigabit
							850nm	1300nm	850nm
OM1 62.5/125 μm	≤2.7	≤0.6	-	-	≥200	≥600	275	550	-
OM2 50/125 μm	≤2.5	≤0.7	-	-	≥500	≥500	550	550	-
OM3 50/125 μm	≤2.3	≤0.6	-	-	≥1500	≥500	1000	600	300
OM4 50/125 μm	≤2.3	≤0.6	-	-	≥3500	≥500	1000	600	550
OS1 9/125 μm	-	-	≤0.34	≤0.20	-	-	-	-	-
OS2 9/125 μm	-	-	≤0.34	≤0.22	-	-	-	-	-

E-GLASS STRENGTH CENTRAL LOOSE TUBE GEL FREE ARMoured IN/OUT OPTICAL CABLE

ORDERING GUIDE

Cable Type	Jacket	No. of Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)	Loosetube Construction
3147	1=PVC 2=LSZH 3=PE A=OFNP U=LSZH (UV Resistant)	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	WJL without Gel

ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Bend Radius	
					Short (mm)	Long (mm)
3147-31006OS2CL WJL	6	9.3	3.3	103	20D	10D
3147-31024OS2CL WJL	24	9.3	3.3	103	20D	10D