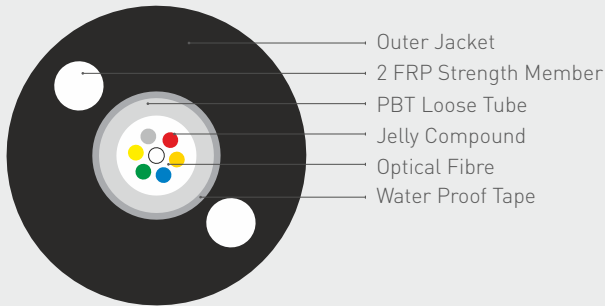
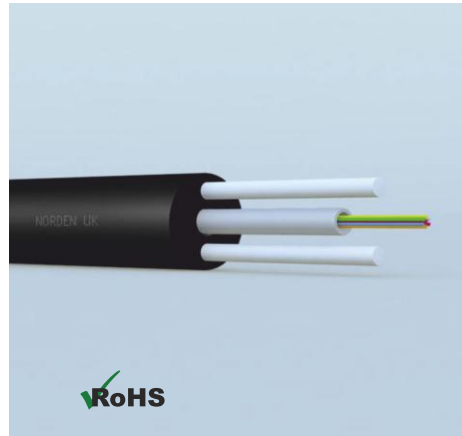


CENTRAL LOOSE TUBE FRP STRENGTH FIBRE OPTIC CABLE E- SERIES

The Norden Central Loose Tube FRP Strength Fibre Optic E-Series Cable features non-metallic FRP strength members that provide excellent tensile strength and protection against electromagnetic interference. With its compact diameter, lightweight design, and durable PE sheath, this cable is suitable for a wide range of applications.

The single jelly-filled loose tube can accommodate up to 12 fibers, ensuring reliable performance. The PE sheath offers protection against UV radiation and heat, making it ideal for external use. This cable is versatile and can be used for cable assemblies, external distribution, and transmission in areas with high electromagnetic interference. It is particularly well-suited for ducts, aerial installations, service drop cables, building interconnections in campus LANs, and distribution and trunk cable systems.



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 +70 °C	
Storage Temp.	-40 °C to +85 °C	
Sheath Material	HDPE , Optional: LSZH or other	

OPTICAL CHARACTERISTICS

Parameters	G652D	OM3
Attenuation (dB/km) @ 1310 nm:	≤ 0.36	≤ 2.7
Attenuation (dB/km) @ 1550 nm:	≤ 0.24	≤ 0.8
MFD @ 1310 nm (µm)	9.2 ± 0.4	-
Core dia. (µm)	-	50 ± 2.5
Clad dia. (µm)	125 ± 0.7	125 ± 1.0
Coating dia. (µm)	245 ± 10.0	245 ± 10.0
Bandwidth (MHz.km)	850 nm	≥ 1500
	1300 nm	≤ 500

