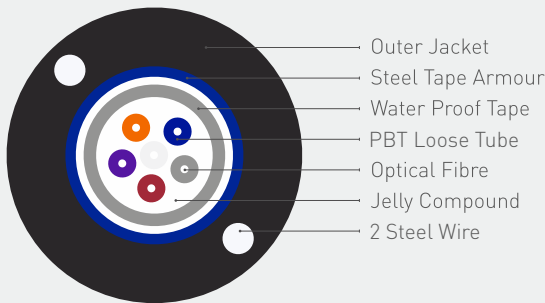


CENTRAL LOOSE TUBE ARMOURED EXTERNAL CABLE E-SERIES

The Norden central loose tube armoured external E-series cable features a central tube filled with water-blocking jelly, reinforced with a water-blocking tape for superior water and moisture resistance. A corrugated steel armoring, combined with two steel strength wires under the outer PE sheath, provides exceptional tensile strength and robust mechanical and environmental protection.

The compact construction prevents tube shrinkage, while the armoring ensures resistance to crushing, rodent damage, and impacts. The water-blocking jelly and tape protect against moisture intrusion, and the UV-resistant outer PE sheath offers protection from sunlight exposure. They are designed for external distribution, and are ideal for installation in ducts, conduits, or aerial pipelines.



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
 ISO/IEC 11801 , ISO/IEC 24702
 ANSI/TIA/EIA 568.3-D
 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	2000 N	1000 N
Max. Crush Load	2000 N/100 mm	600 N/100 mm
Operating Temp.	-20°C to +70°C	
Storage Temp.	-40°C to +85°C	
Sheath Material	HDPE	

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

CENTRAL LOOSE TUBE ARMOURED EXTERNAL CABLE E-SERIES



ORDERING INFORMATION

Part Number	Fibre Count	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight ($\pm 10\%$ kg)	Bend Radius	
					Short (mm)	Long (mm)
NE08-31004FXXCL	04	8.3 \pm 0.3	2.1 \pm 0.1	75.0	20D	10D
NE08-31006FXXCL	06	8.3 \pm 0.3	2.1 \pm 0.1	75.0	20D	10D
NE08-31012FXXCL	12	8.3 \pm 0.5	2.1 \pm 0.1	75.0	20D	10D
NE08-31024FXXCL	24	9.0 \pm 0.5	2.5 \pm 0.1	82.0	20D	10D

ORDERING GUIDE

Cable Type	Jacket	No. of Tube	Fibre Count	Fibre Type (FXX)	Jacket Colour (CL)
NE08	3=HDPE	1	No. of Fibre	OM3=50/125 OM3 OS2=9/125 [G652-D] OS2	As noted

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

