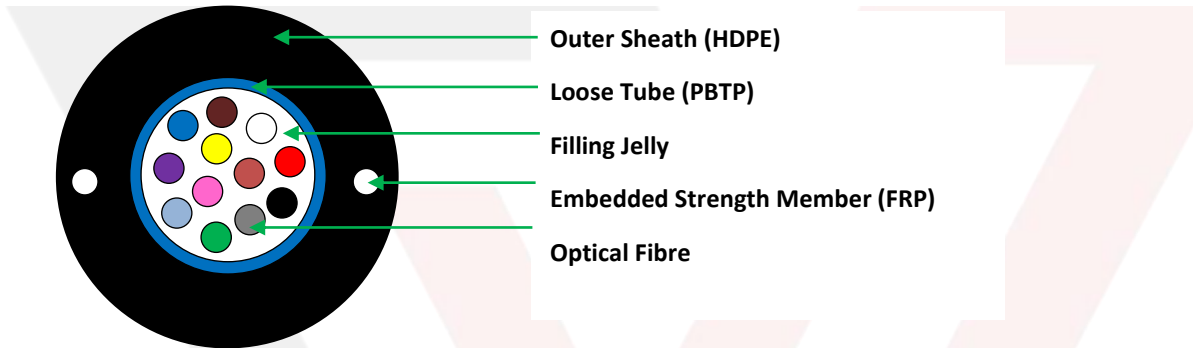




2 to 12F SM UTUNARMoured OFCSSSS



PHYSICAL CHARACTERISTICS

Fiber Type

Single Mode G.652

Fibre Count	2	4	6	8	12
No. of Tubes	1	1	1	1	1
Tube Dia. (mm)	1.5 ± 0.1	1.9 ± 0.1	1.9 ± 0.1	2.0 ± 0.1	2.1 ± 0.1
Cable Dia. (mm)	5.8 ± 0.2	5.8 ± 0.2	5.8 ± 0.2	5.9 ± 0.2	6.0 ± 0.2
Cable Weight (kg/km)	26	26	26	27	28

Embedded Strength Member (mm)
Outer Sheath Material

2 x 0.8 mm FRP embedded in outer sheath
HDPE-Black

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MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Tensile Strength (N) [Long Term/ Short Term]	150/250
Crush Resistance (N/100 mm)	1000
Impact Strength (N. m)	10
Torsion	±180°
Repeated Bend (@5kg load)	30 cycles
Bending Radius	20 x D (Dynamic) 10 x D (Static)
Temperature Range	-10°C to +60°C (Installation) -20°C to +70°C (Operation) -30°C to +70°C (Storage)

TRANSMISSION CHARACTERISTICS (CABLED FIBRE)

Attenuation (dB/km)	@ 1310 nm: ≤ 0.36 @ 1550 nm: ≤ 0.23 @ 1625 nm: ≤ 0.26
Chromatic Dispersion (ps/nm.km)	@ 1285-1330 nm: ≤ 3.5 @ 1270-1340 nm: ≤ 5.3 @ 1550 nm: ≤ 18.0 @ 1625 nm: ≤ 22.0
PMD @ 1310 and 1550 nm (ps/vkm)	≤ 0.30
Zero Dispersion Slope (ps/nm ² .km)	≤ 0.092
Zero Dispersion wavelength (nm)	1300 to 1324 nm
Cable Cut off Wavelength (nm)	≤ 1260
MFD (µm)	8.8 to 9.8
Clad dia. (µm)	125 ± 1.0
Clad non-circularity (%)	≤ 1
Core-Clad concentricity error (µm)	≤ 0.6

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Coating dia. (μm)	245 ± 10
Coating-Cladding concentricity (μm)	≤ 12.0

FIBRE COLOUR CODE

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua/Nat

PRINTING PACKING AND LENGTHS

Printing Message:	Customer Name<Fibre Type><Fibre Count><Cable Type><Type of Cable><MONTH><YEAR><XXXX> METER <Cable ID>
Packing type:	ROLL
Length:	2/3/4 km (As per customer requirement)
Length Tolerance:	$\pm 10\%$

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