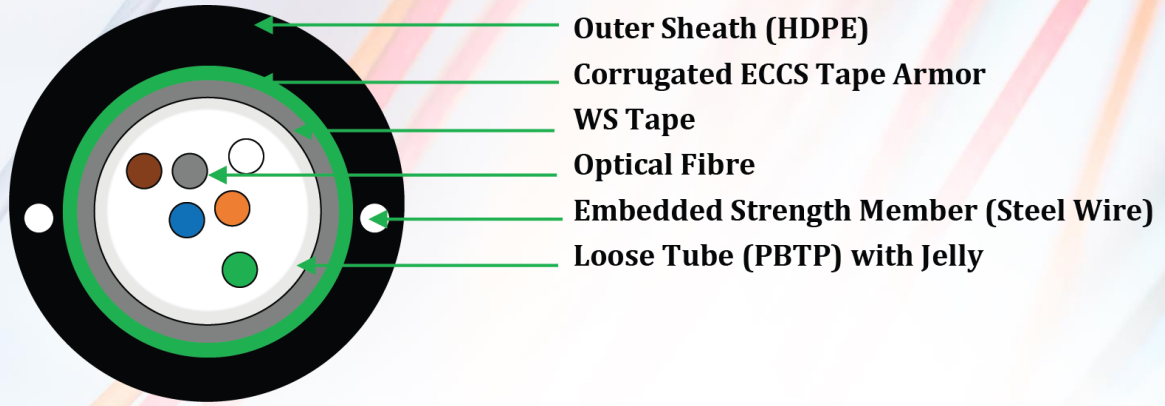




SM UT ARMoured OFC (2 SW)-HDPE



PHYSICAL CHARACTERISTICS

Fibre Type	Single Mode G.652D
Fibre Count	6/12/24/48/128
Fibres per Tube	6/12/24/48/128
No. of Tubes	1
Tube Diameter (mm)	2.1 ± 0.1
Embedded Strength Member (mm)	2 x 0.6 mm Steel Wire embedded in sheath
Water Blocking Element	WS Tape below armor
Armoring	Corrugated ECCS Tape
Outer Sheath Material	HDPE
Nominal cable diameter (mm)	7.5 ± 0.5
Cable Weight (kg/km)	58 ± 10%

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Max. Tensile Strength (N) (Long Term/ Short Term)	1000/1500
Crush Resistance (N/100 mm)	2000
Impact Strength (N. m)	25
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: ≤ 0.24 @ 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/√km)	≤ 0.2
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
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



GARANTIR

PRINTING PACKING AND LENGTHS

GARANTIR™ <Fibre Type> <Fibre Count> <Cable Type> <Type of Cable> <MONTH> <YEAR> <XXXX> METER <Cable ID>

Packing type: Wooden Drums
Length: 2/3/4 km (As per customer requirement)
Length Tolerance: ± 10%

ORDERING INFORMATION

GT-FOC-OS2-00601-HA	Garantir 6-Core OS2 Single Mode Uni-Tube Optical Fiber Cable Armoured HDPE
GT-FOC-OS2-01201-HA	Garantir 12-Core OS2 Single Mode Uni-Tube Optical Fiber Cable Armoured HDPE
GT-FOC-OS2-02401-HA	Garantir 24-Core OS2 Single Mode Uni-Tube Optical Fiber Cable Armoured HDPE
GT-FOC-OS2-04802-HA	Garantir 48-Core OS2 Single Mode Uni-Tube Optical Fiber Cable Armoured HDPE
GT-FOC-OS2-12802-HA	Garantir 128-Core OS2 Single Mode Uni-Tube Optical Fiber Cable Armoured HDPE

Ver : 1.0

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