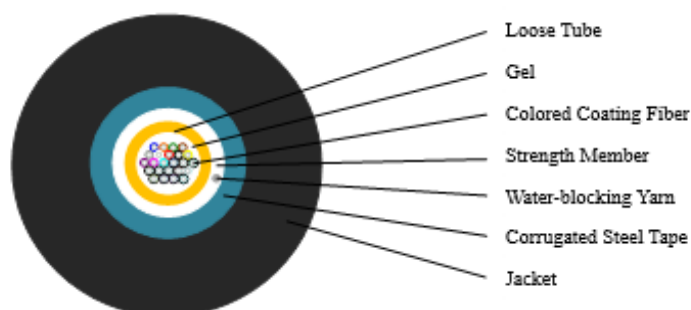




Outdoor Fiber Cables

2-12 Core Outdoor Singlemode Loose Tube PE/LSZH Armoured Cable

Overview



Forteq 2-12 Core Glass Yarn Outdoor Loose Tube, Singlemode G.657A1 PE/LSZH, Armoured, Yellow, PN: OFA0XXPESM-N OR OFA0XXL-SM-N

Fiber Parameters

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{c1} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.3
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius @1625nm	dB	≤1.5



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Cable Parameters

Items		Specifications
Fiber Count		2~12
Colored Coating Fiber	Dimension	250μm±15μm
	Color	Blue , Orange , Green , Brown, Grey , White , Red , Black, Yellow , Purple , Pink , Aqua
Loose Tube	Dimension	2.15mm±0.05mm
	Material	PBT
	Color	Natural
Strength Member		Glass yarn
Outer Jacket	Dimension	8.0mm±0.3mm
	Material	PE/LSZH
	Color	Black

Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	800
Tension (Short Term)	N	1500
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20 ~ +60
Operating Temperature	°C	-40 ~ + 70
Storage Temperature	°C	-40 ~ + 70