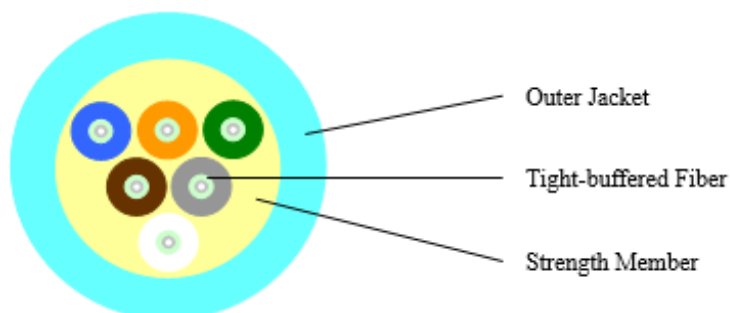




Indoor Fiber Cables

6 Core Tight-buffered SM & MM, indoor Non-Armoured Cable

Overview



Forteq 6 Core Aramid Yarn Indoor Tight Buffer, SM & MM LSHF, Flame Retardant comply to IEC 60332-1-2 Non Armoured, Aqua, PN: IDF00XMY-N, IDF00XSM-N

Cable Parameters

Items		Specifications
Fiber Count		6
Tight-buffered Fiber	Dimension	850±50µm
	Material	PVC
	Color	Blue 、 Orange 、 Green 、 Brown 、 Grey 、 White
Strength Member		Aramid Yarn
Outer Jacket	Dimension	5.2±0.2mm
	Material	LSZH
	Color	Yellow 、 Orange 、 Aqua

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension (Long Term)	N	200
Tension (Short Term)	N	400
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	-10~~+50
Operating Temperature	°C	-20~~+60
Storage Temperature	°C	-20~~+60



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Fiber Parameters

No.	Items		Unit	Specification			
				G.652D	G657A1	G657A2	G657B3
1	Mode	1310nm	μm	9.2 ± 0.4	9.0 ± 0.4	8.8 ± 0.4	8.9 ± 0.4
	Field Diameter	1550nm	μm	10.4 ± 0.5	10.1 ± 0.5	9.8 ± 0.5	9.65 ± 0.5
2	Cladding Diameter		μm	124.8 ± 0.7	124.8 ± 0.7	124.8 ± 0.7	124.8 ± 0.7
3	Cladding Non-Circularity		%	≤ 0.7	≤ 0.7	≤ 0.7	≤ 0.7
4	Core-Cladding Concentricity Error		μm	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
5	Coating Diameter		μm	245 ± 5	245 ± 5	245 ± 5	245 ± 5
6	Coating Non-Circularity		%	≤ 6.0	≤ 6.0	≤ 6.0	≤ 6.0
7	Cladding-Coating Concentricity Error		μm	≤ 12.0	≤ 12.0	≤ 12.0	≤ 12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc}\leq 1260$	$\lambda_{cc}\leq 1260$	$\lambda_{cc}\leq 1260$	$\lambda_{cc}\leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤ 0.36	≤ 0.36	≤ 0.36	≤ 0.36
		1550nm	dB/km	≤ 0.25	≤ 0.25	≤ 0.25	≤ 0.25

No.	Items	Unit	Specification			
			OM1	OM2	OM3	OM4
1	Core Diameter	μm	62.5 ± 2.5	50.0 ± 2.5	50.0 ± 2.5	50.0 ± 2.5
2	Cladding Diameter	μm	125.0 ± 1.0	124.8 ± 1.0	125.0 ± 1.0	125.0 ± 1.0
3	Cladding Non-Circularity	%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
4	Core-Cladding Concentricity Error	μm	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
5	Coating Diameter	μm	245 ± 5	245 ± 5	245 ± 5	245 ± 5
6	Coating Non-Circularity	%	≤ 6.0	≤ 6.0	≤ 6.0	≤ 6.0