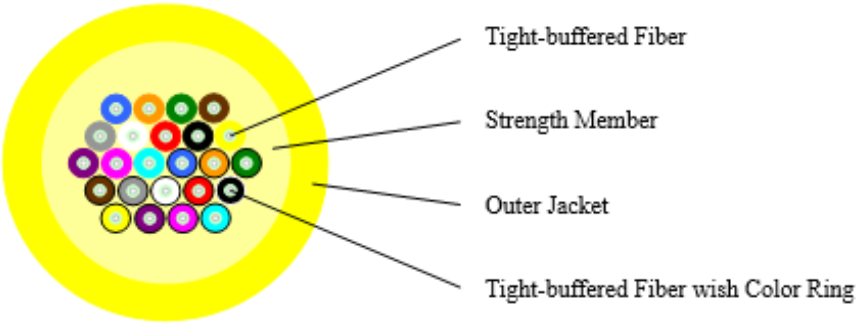
Forteq Structured Cabling

Indoor Tight Bufferred Fiber Cables

24 Core Loose Tube Indoor Tight Bufferred SM & MM Non-Armoured Cable

Overview



Forteq 24 Core Indoor Tight Bufferred Aramid Yarn SM & MM LSHF,Flame Retardant comply to IEC 60332-1-2, Non Armoured, Aqua, PN: IDF0XXMX-N, IDF0XXSM-N

Cable Parameters

Items		Specifications
Fiber Count		24
Tight-buffered Fiber	Dimension	850±50μm
	Material	LSZH
	Color	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
Tight-buffered Fiber wish Color Ring	Dimension	850±50μm
	Material	LSZH
	Color	Blue, Orange ,Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua
Strength Member		Aramid Yarn
Outer Jacket	Dimension	8.5±0.3mm
	Material	LSZH
	Color	Yellow, Orange, Aqua

Mechanical and Environmental Characteristics

Items	Unite	Specifications
Tension（Long Term）	N	300
Tension（Short Term）	N	600
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	℃	-10～+50
Operating Temperature	℃	-20～+60
Storage Temperature	℃	-20～+60

Indoor Tight Bufferred Fiber Cables

24 Core Loose Tube Indoor Tight Bufferred SM & MM Non-Armoured Cable

Fiber Parameters

No.	Items		Unit	Specification			
				G.652D	G657A1	G657A2	G657B3
1	Mode Field Diameter	1310nm	μm	9.2±0.4	9.0±0.4	8.8±0.4	8.9±0.4
		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	λ_{cc}≤1260	λ_{cc}≤1260	λ_{cc}≤1260	λ_{cc}≤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
7	Cladding-Coating Concentricity Error		μm	≤12.0	≤12.0	≤12.0	≤12.0
8	Bandwidth (min.)	850nm	MHz·km	200	200	1500	3500
		1300nm	MHz·km	500	500	500	500
9	Attenuation(max.)	850nm	dB/km	≤3.0	≤3.0	≤3.0	≤3.0
		1300nm	dB/km	≤1.0	≤1.0	≤1.0	≤1.0