

Indoor Breakout Fiber Cable

The Breakout fiber cable is consisted with a FRP surround by a number of jacketed simplex tight buffered cable within a outer jacket. It provides unmatched strength and durability to meet the demanding environments such as conduits, junction boxes, and patch panels, plenums.

Cable Structure

Breakout Fiber Optic Cable



		50/125 μ m	62.5/125 μ m	G652	G655
Attenuation(+20°C)	@850nm	≤ 3.5 dB/km	≤ 3.5 dB/km		
	@1300nm	≤ 1.5 dB/km	≤ 1.5 dB/km		
	@1310nm			≤ 0.45 Db/km	≤ 0.50 Db/km
	@1550nm			≤ 0.30 Db/km	≤ 0.50 Db/km
Bandwidth(ClassA)	@850nm	≥ 500 Mhz·km	≥ 200 Mhz·km		
	@1300nm	≥ 1000 Mhz·km	≥ 600 Mhz·km		
	0.200 \pm 0.015NA	0.275 \pm 0.015NA			
Numerical Aperture				≤ 1260 nm	≤ 1480 nm
Cable Cut-off Wavelength λ_{cc} Attenuation at temperature cycling $\alpha(-20^{\circ}\text{C}\sim+85^{\circ}\text{C})$	@1300nm	≤ 0.25 dB/km	≤ 0.25 dB/km		
	@1550nm			≤ 0.10 dB/km	≤ 0.10 dB/km

Cable Parameters

Items		Specifications
Fiber Count		4-48
Colored Coating Fiber	Dimension	250±15µm
	Color	All chromatography
Jacket	Material	PVC, LSZH, OFNP
	Color	Yellow, Aqua, Orange or customized

Mechanical Characteristics

Fiber Count		4	6	8	12	24	48
Outer Diameter		7.5±0.5	9.0±0.5	10.5±0.5	12.5±0.5	15.5±0.5	20.5±0.5
Weight		51	68	88	128	198	246
Tensile Strength	Long Term	660	700	800	1200	1200	1800
	Short Term	200	200	250	400	400	600
Crush Resistance	Long Term	1000	1000	1000	1000	1000	1000
	Short Term	300	300	300	300	300	300
Bending Radius	Dynamic	20D	20D	20D	20D	20D	20D
	Static	10D	10D	10D	10D	10D	10D