

Indoor Ribbon Flat Fiber Cable

Indoor Ribbon Flat Fiber Cable is with a layer of aramid yarn as strength member then extruded with a PVC or LSZH sheath.

The Ribbon fiber optic cable is ideal for wiring fiber and tie wire for inter equipment with high density, compact conformation, light cable weight, easy to install and achieving welding multi core in one time

Cable Structure



Features:

- The jacket can be PVC, LSZH, TPU
- High tensile strength with aramid strength member
- Compact structure, high fiber density and excellent performance of flexibility and crush resistance.
- Excellent corrosion resistance, waterproof, flame retardant and environmental friendly properties of the outer sheath
- Easy to strip, small bending radius

Application:

- Ribbon fiber connection jumper
- Various indoor cabling solution
- Interconnection between apparatuses

Optical Characteristics:

		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

Mechanical Characteristics

Fiber Count	Dimension		Weight (kg/km)	Min Bending Radius (mm)		Max Tension(N)	
	(mm)			(mm)		Short term	Long term
	width	hight	Dynamic	Static			
4	3.1 \pm 0.3	2.5 \pm 0.3	10	38	25	150	80
6	3.2 \pm 0.3	2.5 \pm 0.3	11				
8	3.6 \pm 0.3	2.8 \pm 0.3	13				
12	4.6 \pm 0.3	2.5 \pm 0.3	15				