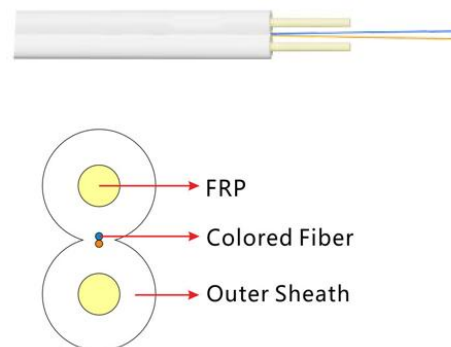


The BC25GJXFH(V)FRP series optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP/KFRP) are placed at the two sides. Then the cable is completed with a black or colored LSZH sheath.



Main Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability
- Novel flute design, easily strip and splice, simplify the installation and maintenance
- Low smoke, zero halogen and flame retardant sheath

Application

- Data Communication
- Installation: Riser, Plenum, inter-layer, pipe & trunking
- Located in where waterproof isn't strictly required
- Patch cord, Pigtail & Indoor distribution

Specification

Optical Characteristics		G.652	G.655	50/125 μm	62.5/125 μm
Attenuation	@850nm			$\leq 3.5\text{dB/km}$	$\leq 3.5\text{dB/km}$
	@1300nm			$\leq 1.5\text{dB/km}$	$\leq 1.5\text{dB/km}$
	@1310nm	$\leq 0.4\text{dB/km}$	$\leq 0.4\text{dB/km}$		
	@1550nm	$\leq 0.3\text{dB/km}$	$\leq 0.3\text{dB/km}$		
Bandwidth	@850nm			$\geq 500\text{MHz} \cdot \text{km}$	$\geq 200\text{MHz} \cdot \text{km}$
	@1300nm			$\geq 500\text{MHz} \cdot \text{km}$	$\geq 500\text{MHz} \cdot \text{km}$
Numerical Aperture				0.200 ± 0.015	0.275 ± 0.015
Cutoff Wavelength		$\leq 1260\text{nm}$	$\leq 1260\text{nm}$		

Fiber count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (Long /Short Term N)	Crush Resistance (Long/Short Term N/100mm)	Bending Radius (Static/Dynamic mm)
1	$(2.0 \pm 0.2) \times (3.0 \pm 0.2)$	8	40/80	500/1000	20/40
2	$(2.0 \pm 0.2) \times (3.0 \pm 0.2)$	8	40/80	500/1000	20/40
4	$(2.0 \pm 0.2) \times (3.0 \pm 0.2)$	8	40/80	500/1000	20/40
6	$(2.5 \pm 0.2) \times (4.0 \pm 0.2)$	8.5	40/80	500/1000	20/40
8	$(2.5 \pm 0.2) \times (4.0 \pm 0.2)$	9.0	40/80	500/1000	20/40
12	$(3.0 \pm 0.2) \times (4.0 \pm 0.2)$	9.7	40/80	500/1000	20/40
Storage Temperature		$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$			
Operating Temperature		$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$			