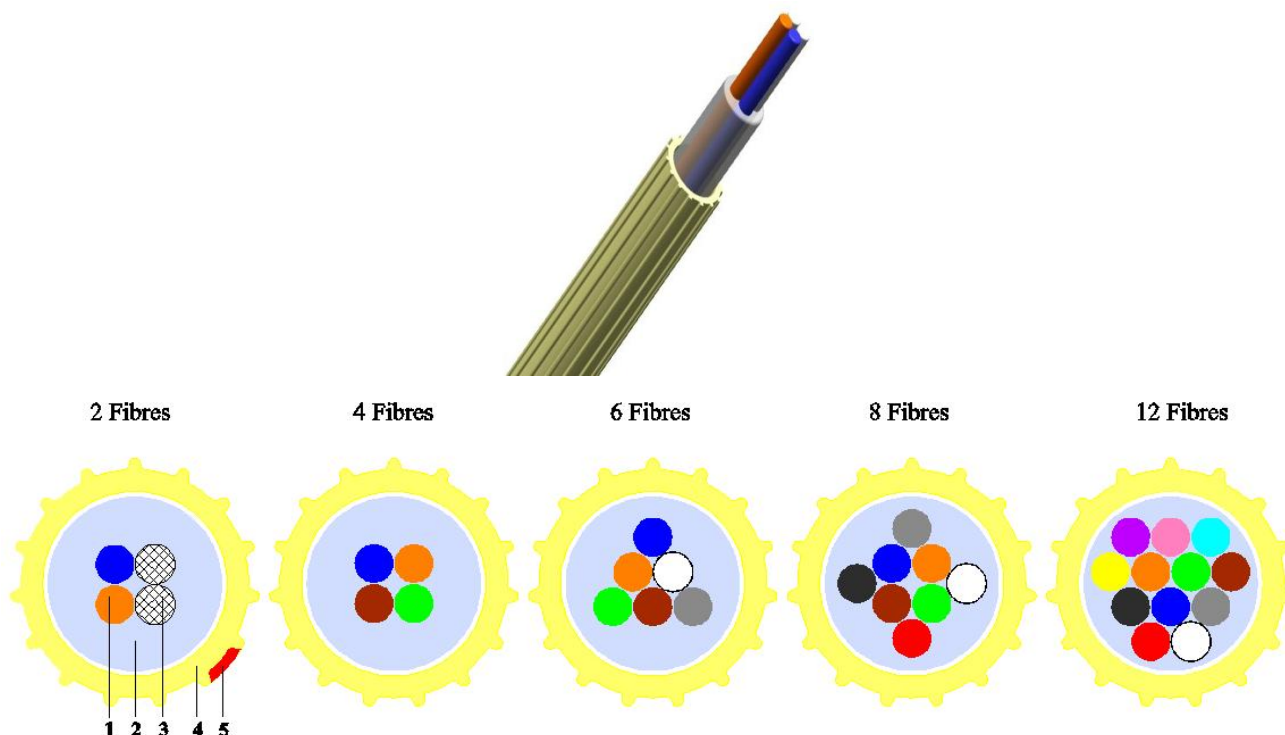


Excellent Performance Fiber Unit

EPFU-2-12B6A1

Structure Diagram:



Optical parameters and properties:

Single-mode

Fiber type		G652D (1310/1550nm)	G657A1 (1310/1550nm)	G657A2 (1310/1550nm)	G657B3 (1310/1550nm)
Attenuation	Typical	0.36/0.22	0.36/0.22	0.36/0.22	0.36/0.22
	Maximum	0.4/0.3	0.4/0.3	0.4/0.3	0.4/0.3
Zero Dispersion Slope		$\leq 0.091 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$	$\leq 0.092 \text{ ps/km} \cdot \text{nm}^2$
Dispersion(1285~1340nm)		-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)	-3.5 – 3.5ps/(nm·km)
Mode field Diameter(@1310nm)		$9.1 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.8 \pm 0.4 \mu\text{m}$	$8.6 \pm 0.4 \mu\text{m}$
Cutoff wavelength cable(nm)		$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$	$\leq 1260 \text{ nm}$
Min bend radius(mm)		16 mm	10 mm	7.5 mm	5 mm
Cladding diameter(μm)		125 ± 1.0	125 ± 1.0	125 ± 1.0	125 ± 1.0

Multi-mode

Fiber type		62.5/125μm (850/1300nm)	50/125μm (850/1300nm)	OM2+ (850/1300nm)	OM3 (850/1300nm)	OM4 (850/1300nm)	OM5 (850/953/1300nm)
Attenuation	Typical	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/---/1.0
	Maximum	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5	3.5/---/1.5
Bandwidth(MHz·km)		≥200/≥500	≥400/≥500	≥700/≥500	≥1500/≥500	≥3500/≥500	≥3500/≥1850/≥500
Effective modal bandwidth		----/----	----/----	≥950	≥2000/----	≥4700/----	≥4700/≥4700/----
10 Gigabit Ethernet SX (M)		----/----	----/----	----/----	≤300/----	≤550/----	40GBASE-SR4/100GB ASE-SR10@850--200M
Min bend radius(mm)		16 mm	10 mm	7.5 mm	7.5 mm	7.5 mm	7.5 mm
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0

Product structure:

Items		Descriptions					
Optical Fiber 1	Fiber count	2X	4X	6X	8X	12X	
	Color	Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua					
Sheath 4	Material	Low friction sheath					
	Color	Yellow					
	Fillers 2	Filled with resin					
	Fillers 3	False fiber					
	Shape 5	The sawtooth shape					
	Diameter mm	1.15±0.05	1.15±0.05	1.35±0.05	1.55±0.05	1.65±0.05	

Note: It is recommended that the structure of 2 fibres unit consist of 2 filled fibres, for it is proved that 2 fibres unit with 2 filled fibres is better than the one with zero or one filled fibre in the blowing performance and the fibre stripping-ability

Mechanical and Environmental Characteristics:

Items		Descriptions
Tensile Strength	EN 18700 A1/501 IEC 60794-1-2-E1	Load is 1×W
Bend	IEC 60794-1-2--E11A	Diam 40mm×3turns
Crush	IEC 60794-1-2-E3	100 N, 60s
Temperature Range		-30℃--+70℃
Bending Radius	Dynamic	≥20D
	Static	≥10D

Packing

Packing: 1KM/Drum . 2KM/Drum . 3KM/Drum . 4KM/Drum . 5KM/Drum 6KM/Drum

Drum

Drum: Each single length of cable shall be wound on a wooden composite drum. Export type disc.

Cable Marking

Cable Marker every Meter by inkjet printing:

Year of manufacture

Type of Cable

Number of fiber

Cable length

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According to customer or our company request .