

长飞(上海)紧套光纤 YOFC(SH) Tight Buffer Fiber

产品描述 Description

长飞光纤光缆(上海)有限公司生产的紧套光纤是在被覆光纤外挤附一层缓冲材料而成。通过选择优质光纤, 使用专用设备, 配合精密模具, 使产品具有优良的性能。

YOFC(SH) Tight Buffer Fiber is produced as that fiber is sheathed by buffer material. The selection of top-quality fiber, the specific production equipment and the accurately designed die make the performance of product.

产品特点 Characteristics

- 紧套光纤外径均匀, 剥离性好;
 Good uniformity of the outer diameter of tight buffer fiber and excellent strippability;
- 良好的阻燃性能;
 Good performance of flame-retardant;
- 高、低温特性稳定;
 Low induced attenuation within the operating temperature range;
- 光纤的几何尺寸一致性好。
 Excellent geometrical dimension of the fiber.

产品应用 Application

- 室内光缆成缆;
 Indoor cable;
- 有源及无源光器件尾纤和连线;
 Making jumper, pigtail;
- 数据通信传输。
 Data communication.

紧套光纤型号表达方式 TBF Code

紧套光纤型号 TBF Code	紧套材料型号 TBF Material Type	紧套光纤尺寸 TBF Diameter	光纤类型 Fiber Type
TBF-紧套纤 Tight Buffer Fiber	V-PVC	900±50μm	B1-G.652 单模光纤 G.652 Single-mode Fiber
	Z-LSZH		B1.3-G.652.D 低水峰单模光纤 G.652.D Low Water Peak Single-mode Fiber
	H-Hytrel1 / X-Hytrel2		B4-G.655 单模光纤 G.655 Single-mode Fiber
	N-Nylon		E1-易贝® G.657单模光纤 EasyBand® G.657 Single-mode Fiber
			E1.1-易贝®+G.657单模光纤 EasyBand® Plus G.657 Single-mode Fiber
			A1-标准50/125 多模光纤 Standard 50/125 Multimode Fiber
			A1b-标准62.5/125 多模光纤 Standard 62.5/125 Multimode Fiber
			A1H-高贝® 50/125 多模光纤 HiBand® 50/125 Multimode Fiber
			A1bH-高贝® 62.5/125 多模光纤 HiBand® 62.5/125 Multimode Fiber
			M1-超贝® 150多模光纤 MaxBand® 150 Multimode Fiber
			M3-超贝® 300多模光纤 MaxBand® 300 Multimode Fiber
			M5-超贝® 550多模光纤 MaxBand® 550 Multimode Fiber

紧套光纤色谱 TBF Colour

紧套光纤 TBF	1	2	3	4	5	6	7	8	9	10	11	12
颜色 Colour	蓝色 Blue	橙色 Orange	绿色 Green	棕色 Brown	灰色 Slate	白色 White	红色 Red	黑色 Black	黄色 Yellow	紫色 Violet	粉红色 Pink	水绿色 Aqua
颜色代码 Colour Code	B	O	G	N	S	W	R	K	Y	V	P	A

■ 结构参数 Technical Parameters

紧套光纤 型号 TBF Code	光纤涂层 直径 Fiber Coating Diameter μm	紧套光纤 直径 TBF Diameter μm	紧套光纤 重量 TBF Weight kg/km	允许拉伸力 Tensile Strength 长期/短期 Long/Short term N	允许压扁力 Crush Resistance 长期/短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态/静态 Dynamic/Static mm
TBF-I	245 ± 7	900 ± 50	0.9	3/6	100/500	20D/10D
TBF-II	500 ± 25	900 ± 50	0.7	3/6	100/500	20D/10D

注: 弯曲半径中D表示紧套光纤直径。
Note: The symbol D in Bending Radius Column represents TBF diameter.

■ 光学特性 Optical Characteristics

		50 / 125 μm	62.5 / 125 μm	G.652	G.655
衰减 Attenuation (+20°C)	@ 850 nm	≤ 3.5 dB/km	≤ 3.5 dB/km		
	@1300 nm	≤ 1.5 dB/km	≤ 1.5 dB/km		
	@1310 nm			≤ 0.45 dB/km	≤ 0.50 dB/km
	@1550 nm			≤ 0.30 dB/km	≤ 0.50 dB/km
带宽 (A级) Bandwidth (Class A)	@ 850 nm	≥ 600 MHz·km	≥ 200 MHz·km		
	@1300 nm	≥ 1200 MHz·km	≥ 600 MHz·km		
数值孔径 Numerical Aperture		0.200 ± 0.015 NA	0.275 ± 0.015 NA		
光缆截止波长 Cable Cut-off Wavelength λ _{cc}				≤ 1260 nm	≤ 1450 nm
温度附加衰减 Δα (-20°C~+60°C) Attenuation at temperature cycling Δα (-20°C~+60°C)	@1300 nm	≤ 0.25 dB/km	≤ 0.25 dB/km		
	@1550 nm			≤ 0.10 dB/km	≤ 0.15 dB/km

运输/储存/使用温度: -20°C~+60°C, 安装温度: -5°C~+50°C
Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50°C

订货信息 Order Information

TBF-□-□□-1□
1 2 3 4

- 1 光纤外径 2 材料型号 Material Type 3 紧套颜色 TBF Colour
- | | | | | |
|-----------|---------------------|------------|-----------|------------|
| I-250 μm | Z-LSZH | B-蓝色Blue | S-灰色Slate | Y-黄色Yellow |
| II-500 μm | V-PVC | O-橙色Orange | W-白色White | V-紫色Violet |
| | H-Hytrel1/X-Hytrel2 | G-绿色Green | R-红色Red | P-粉红色Pink |
| | N-Nylon | N-棕色Brown | K-黑色Black | A-青绿色Aqua |

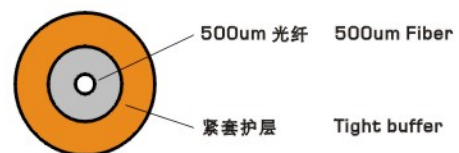
- 4 光纤类型 Fiber Type
- B1-G.652
 - B1.3-G.652.D
 - B4-G.655
 - E1-EasyBand®G.657
 - E1.1-EasyBand®Plus G.657
 - A1-50/125 μm
 - A1b-62.5/125 μm
 - A1H-HiBand®50/125
 - A1bH-HiBand®62.5/125
 - M1-MaxBand®150
 - M3-MaxBand®300
 - M5-MaxBand®550

交货长度 Delivery Length

推荐长度: 2000m; 可按客户要求提供其它长度。
Standard Reel Length: 2000m; Other lengths available on request.



TBF-I紧套光纤结构图
TBF-I Structure



TBF-II紧套光纤结构图
TBF-II Structure