

Tight Buffer Fibre

紧套光纤

Description 产品描述

Tight buffer fibre is produced as that fibre is sheathed by buffer material. The selection of top-quality fibre, the specific production equipment and the accurately designed die make the performance of product.

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。

Characteristics 产品特点

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

Applications 产品应用

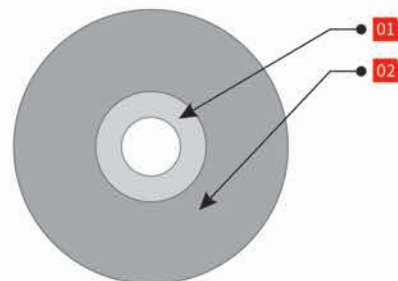
- Indoor cable
室内光缆成缆
- Making jumper, pigtail
有源及无源光器件尾纤和连线
- Data communication
数据通信传输

Structure Drawing 结构图

Structure Drawing
结构图

01 250µm Fibre 250µm光纤

02 Tight Buffer 紧套护层



Specifications 参数

Technical Parameters 结构参数

Model 紧套光纤型号	Fibre Coating Diameter 光纤涂层直径 (µm)	TBF Diameter 紧套光纤直径 (µm)	TBF Weight 紧套光纤重量 (kg/km)	Tensile Strength 允许拉伸力 Long/Short term 长期/短期 (N)	Crush Resistance 允许压扁力 Long/Short term 长期/短期 (N/100mm)	Bending Radius 弯曲半径 Dynamic/Static 动态/静态 (mm)	Coating Strip Force 剥离强度 (N)
TBF-I	245±7	900±50	0.9	3/6	100/500	20D/10D	≤13.3
TBF-II	500±50	900±50	0.7	3/6	100/500	20D/10D	≤13.3

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

Optical Characteristics 光学特性

Fiber Type 光纤类型	Attenuation 衰减				OFL 满注入带宽 850/1300nm	Effective Mode Bandwidth 有效模式带宽 850nm	10 Gbit/s Ethernet Link Length 10G以太网链路长度 850nm	Minimum Bend Radius 最小弯曲半径 /
	1310/1550nm		850/1300nm					
Condition 条件	Typical Value 典型值	Maximum Value 最大值	Typical Value 典型值	Maximum Value 最大值				
Unit 单位	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4	—	—	—	—	—	16
G657A1	0.36/0.22	0.5/0.4	—	—	—	—	—	10
G657A2	0.36/0.22	0.5/0.4	—	—	—	—	—	7.5
50/125	—	—	3.0/1.0	3.5/1.5	≥500/500	—	—	30
62.5/125	—	—	3.0/1.0	3.5/1.5	≥200/500	—	—	30
Om3	—	—	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
Om4	—	—	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30

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