

Flat Fibre Ribbon Cable

带状扁平光缆

Description 产品描述

Flat ribbon fibre cable use fibre ribbon as optical communication medium. Then wrapped with a layer of aramid yarn as strength member units, and the cable is completed with LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

光纤带扁平光缆使用光纤带作为光传输介质，外覆一层芳纶作为受力加强单元，最外挤制一层聚氯乙烯(PVC)或低烟无卤材料(LSZH, 低烟、无卤、阻燃)护套而成。

Characteristics 产品特点

- High-integrated fibre ribbon design
采用光纤带,集成度高
- Aramid yarn as strength member making cable have excellent tensile strength performance
芳纶加强元件,使光缆有优异的抗拉性能
- The outer jacket material has many advantages such as anti-corrosion, waterproof, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.
外护材料耐腐蚀,防水,防紫外,阻燃,环保等优点

Applications 产品应用

- Indoor cable distribution
室内布线
- Interconnect between instruments, communication equipments
仪器、通信设备互联
- Ribbon optical fibre jumper and pigtail
带状连接跳线

Standards 产品标准

Comply with Standard YD/T 1258.5, ICEA-596, GR-409, IEC 60794-2-30, etc., and PVC cable meet the requirements of

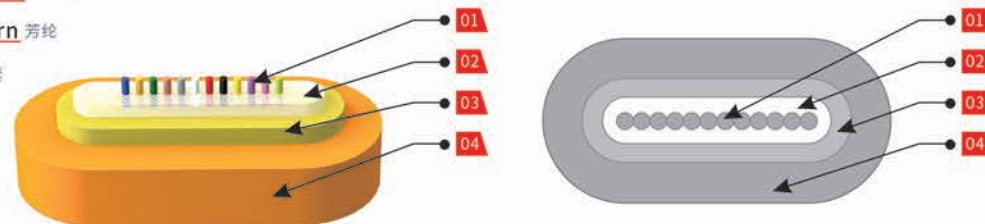
ULapproval OFNR and OFNP: Different LSZH jacket meet IEC 60332-1or IEC 60332-3C certification.

满足YD/T 1258.5、ICEA-596、GR-409、IEC 60794-2-30等标准;除了普通的PVC产品外,还有分别通过ULOFNR、OFNP认证的产品;LSZH产品选用不同材料,可以满足IEC60332-1或IEC60332-3C认证。

Structure Drawing 结构图

Structure Drawing
结构图

- 01 Fibre 光纤
- 02 Fibre Ribbon 光纤带
- 03 Aramid Yarn 芳纶
- 04 Jacket 护套



Specifications 参数

Technical Parameters 结构参数

Cable Model 光缆型号	Cable Size (Ref) 光缆参考尺寸 (mm)	Fiber Count 光纤芯数组成	Cable Weight (Ref) (kg/km) 光缆参考重量		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)
			PVC Jacket PVC护套	LSZH Jacket LSZH护套			
4	(3.7±0.3)* (2.3±0.3)	4 Fiber Ribbon 光纤带	4.7	6.6	80/150	300/1000	25D/12.5D
6	(4.2±0.4)* (2.5±0.2)	6 Fiber Ribbon 光纤带	5.1	7.3	80/150	300/1000	25D/12.5D
12	(4.8±0.34)* (2.3±0.3)	12 Fiber Ribbon 光纤带	5.9	8.0	80/150	300/1000	25D/12.5D

Optical Characteristics 光学特性

Fiber Type 光纤类型	Attenuation 衰减				OFL 满注入带宽	Effective Mode Bandwidth 有效模式带宽	10 Gbit/s Ethernet Link Length 10G以太网链路长度	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	850/1300nm	850nm	850nm	/
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