

Multi-Purpose Distribution Cable ($\leq 24f$)

($\leq 24f$) 多用途布线光缆

Description 产品描述

Multi-purpose distribution cable uses several $\Phi 900\mu\text{m}$ flame-retardant tight buffer fibre as optical communication medium, the tight buffer fibre wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC or LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

多用途布线光缆使用多根 $\Phi 900\mu\text{m}$ 阻燃紧套光纤作为光传输介质,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

- Tight buffer fibre easy of stripping
采用紧套光纤,便于剥离使用
- Tight buffer fibre has excellent flame-retardant performance
紧套光纤有良好的阻燃性能
- Aramid yarn as strength member make cable have excellent tensile strength
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, anti-water, 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 any purpose cable distribution
室内的综合布线
- Backbone distribution cable in a building
作为大楼的主干布线光缆
- Multi optical fibre jumper
多芯光纤活动连接跳线

Standards 产品标准

Comply with Standard YD/T 12584, ICEA596, GR-409, IEC 60794-2-20/21, etc.; and PVC cable meet the requirements of UL approval OFNR and OFNP. Different LSZH jacket meet IEC 60332-1 or IEC 60332-3C.

满足YD/T 1258.4、ICEA-596、GR-409、IEC 60794-2-20/21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。

Structure Drawing 结构图

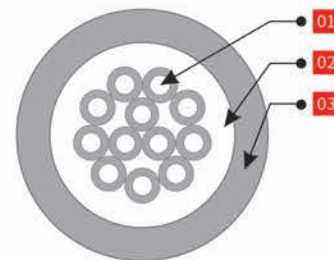
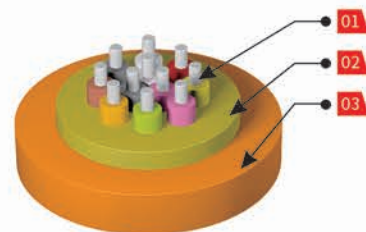
Structure Drawing

结构图

01 Tight Buffer Fibre 紧套光纤

02 Aramid Yarn 芳纶

03 Jacket 护套



Specifications 参数

Technical Parameters 结构参数

Cable Model 光缆型号	Cable Diameter (Ref) 光缆参考直径 (mm)	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			
04	4.8±0.3	16	18	130/440	300/1000	20D/10D
06	5.1±0.3	20	23	130/440	300/1000	20D/10D
08	5.6±0.3	27	31	130/440	300/1000	20D/10D
12	6.2±0.3	32	31	130/440	300/1000	20D/10D
24	8.1±0.3	53	57	200/660	300/1000	20D/10D

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