

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

($\geq 24f$) 多用途布线光缆

Description 产品描述

Multi-purpose distribution cable use multi-fibre subunits ($\Phi 900\mu\text{m}$ tight buffer fibre, aramid yarn as strength member). A fibre reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. 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芯子单元($\Phi 900\mu\text{m}$ 紧套光纤、芳纶加强元件),非金属中心加强芯,光缆子单元层绞于中心加强芯形成缆芯,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

- Stranded non-metallic strength member structure ensure the cable endure larger tensile strength
层绞式光缆结构,非金属中心加强芯使光缆可以承受更大的拉力
- 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

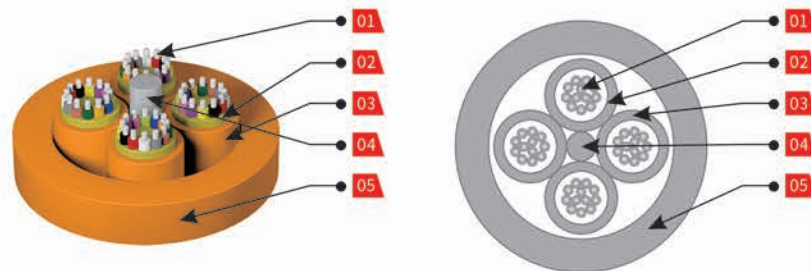
Comply with Standard YD/T 1258.4, ICEA-596, GR-409, IEC 607942-20/21, etc.; and PVC cable meet the requirements of UL approval OFNR and OFNP. Different LSZH jacket meet IEC 60332-1 or IEC 60332-3c.

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UL OFNR、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 Fibre 光纤
- 02 Sub-unit 子单元
- 03 Aramid Yarn 芳纶
- 04 Central Strength Member 中心加强芯
- 05 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			
24	12.3±0.5	117	124	200/660	300/1000	20D/10D
36	14.5±0.5	171	180	200/660	300/1000	20D/10D
48	14.8±0.5	161	170	400/1320	300/1000	20D/10D
72	17.5±0.5	244	254	400/1320	300/1000	20D/10D
96	20.7±0.5	351	366	400/1320	300/1000	20D/10D
144	24.8±0.5	544/33	451	400/1320	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	$\geq 500/500$	—	—	30
62.5/125	—	—	3.0/1.0	3.5/1.5	$\geq 200/500$	—	—	30
Om3	—	—	3.0/1.0	3.5/1.5	$\geq 1500/500$	≥ 2000	≤ 300	30
Om4	—	—	3.0/1.0	3.5/1.5	$\geq 3500/500$	≥ 4700	≤ 550	30