

# Multi-Purpose Break-out Cable

多用途布线光缆

## Description 产品描述

Multi-purpose break-out cable use simplex cable (Φ900μm tight buffer fibre, aramid yarn as strength member) as subunit. 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.

多用途光缆使用单芯光缆(Φ900μm紧套光纤、芳纶加强元件)作为子单元,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
- 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
- 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

## 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

## Standards 产品标准

Comply with Standard YD/T 1258.4, ICEA-596, GR-409, IEC 60794-2-2021, etc.; and PVC cable meet the requirements of UL approval OFNR; Different LSZH jacket meet IEC 60332-1 or IEC 60332-3C.

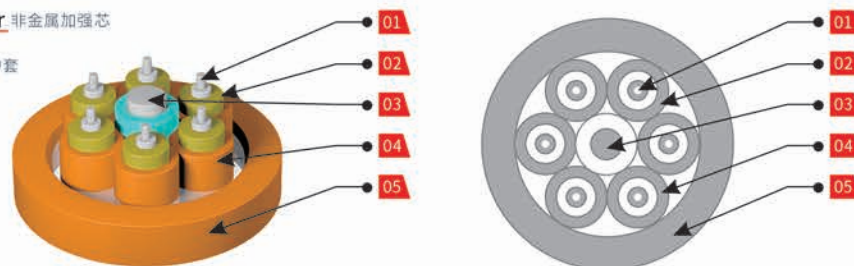
满足YD/T 1258.4、ICEA-596、GR-409、IEC 60794-2-20/21等标准;除了普通的PVC产品外,还有分别通过UL OFNR认证的产品;LSZH产品选用不同材料,可以满足IEC60332-1或IEC60332-3C。

## Structure Drawing 结构图

### Structure Drawing

结构图

- 01 Tight Buffer Fibre 紧套光纤
- 02 Aramid Yarn 芳纶
- 03 FRP Strength Member 非金属加强芯
- 04 Subunit Jacket 子单元护套
- 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			
04	7.4±0.5	50	56	130/440	300/1000	20D/10D
06	8.4±0.5	66	74	200/660	300/1000	20D/10D
08	9.8±0.5	91	101	200/660	300/1000	20D/10D
12	12.4±0.5	140	155	200/660	300/1000	20D/10D
24	14.4±0.5	181	201	400/1320	300/1000	20D/10D
36	16.4±0.5	208	255	400/1320	300/1000	20D/10D
48	19±0.5	280	344	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	≥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