

Mobile Cable

移动光缆

Description 产品描述

Mobile cable use several $\Phi 900\mu\text{m}$ flame-retardant tight buffer fibres as optical communication medium, the tight buffer fibres wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PUR jacket.

移动光缆使用多根 $\Phi 900\mu\text{m}$ 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,最外挤制一层聚氨酯(PUR)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
- 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

- Military communication system cable distribution
军队野外通信系统布线
- Communication between radars or in oil field, mining work place
油田、采矿作业、雷达等通信传输

Standards 产品标准

Comply with Standard YD/T 1258.4, ICEA-596, GR-409, IEC 60794, etc.
满足YD/T 1258.4、ICEA-596、GR-409、IEC 60794等标准。

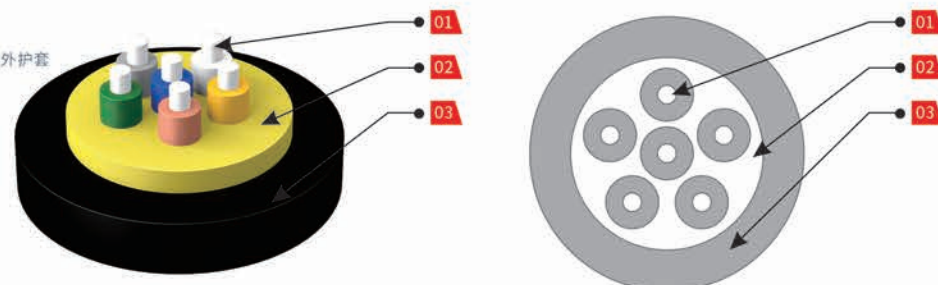
Structure Drawing 结构图

Structure Drawing
结构图

01 Tight Buffer Fibre 紧套光纤

02 Aramid Yarn 芳纶

03 Outer Sheath PUR外护套



Specifications 参数

Technical Parameters 结构参数

Cable Model 光缆型号	Fiber Count 光纤芯数组成	Cable Weight (Ref) 光缆参考重量 (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)
2	6.0±0.3	84	30	1000/5000	20D/10D
4	6.0±0.3	84	30	1000/5000	20D/10D
6	6.0±0.3	84	30	1000/5000	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
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