

Armored Anti-rodent Optical Cable 铠装防鼠光缆

Description 产品描述

Armored rodent-proof optical cable is a new type of mobile optical cable with ultra-light, high mechanical strength and excellent light conductivity. The product adopts a number of advanced technologies and new materials, and is specially designed for the needs of fast wiring and building optical networks in the field and emergency conditions, and is a reusable optical cable.

铠装防鼠光缆是一款新型的、超轻的、高机械强度的及优良导光率的移动光缆。产品采用了多项先进的工艺和新型的材料，专门针对野外和应急条件下快速布线组网需求而设计的，反复使用的光缆。

Armored optical cable assembly is composed of armored optical cable, light and durable aluminum alloy reel, high-precision connector and conversion line, and can also be equipped with flight case and professional repair tools as required. The most notable features of this component are the small outer diameter of the optical cable, small size, light weight, high mechanical strength, good bending resistance, and stable transmission. It is an ideal tool for the field.

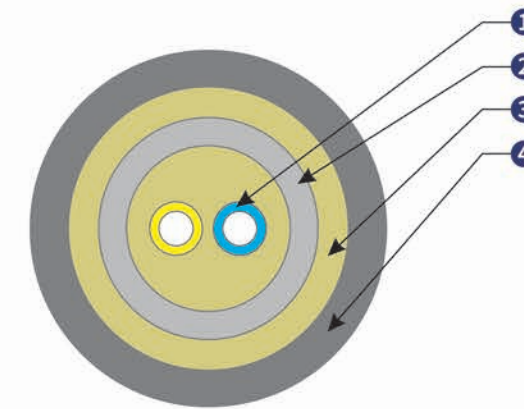
铠装光缆组件由铠装光缆、轻质耐用的铝合金线盘、高精度接头以及转换线组成，根据需要还可以配置航空箱、专业的抢修工具。本组件最显著的特点是光缆外径小、体积小、重量轻、机械强度高、抗弯性好、传输稳定，是现在野外理想的工具。

Characteristics 产品特点

- Small size:** the outer diameter is only 2.6~2.8mm, and the 500-meter module only needs a Φ30cm reel, which is much more convenient than the traditional optical cable;
体积小: 外径只有2.6~2.8mm, 500米组件只需要Φ30cm的线盘, 比传统的光缆方便很多;
- Light weight:** the net weight of the optical cable is less than 8.5KG/km, and the standard 1000-meter component belt reel does not exceed 14KG, which is more than half lighter than the traditional doubled cable;
重量轻: 光缆净重小于8.5KG/km, 标准的1000米组件带线盘不超过14KG, 比传统的被复线轻一半以上;
- High strength:** the optical cable is armored with tiny soft steel pipes, and a large number of high-modulus aramid fibers are used, which can withstand a tensile strength of more than 1000N and a compressive strength of more than 5000N/10CM;
强度高: 光缆采用微小软钢铠装, 大量使用高模量芳纶芳, 可以承受1000N以上的抗拉强度, 5000N/10CM以上的抗压强度;
- Small attenuation:** The optical cable adopts advanced technology and special bending-resistant single-mode optical fiber, equipped with high-precision field connectors, which can connect up to 20KM links at one time, and the attenuation value is less than 20dB.
衰减小: 光缆采用先进工艺和特种的抗弯曲单模光纤, 配以高精度野的战接头, 可以一次连接高达20KM的链路, 衰减值小于20dB.
- Large amount of business:** Compared with the traditional double line, the data business carried by optical fiber is more than 100 times larger, and can directly transmit high-definition video.
业务有量大: 与传统的被复线相比, 光纤承载的数据业务大是其100倍以上, 可以直接传输高清视频。

Structure Drawing 结构图

1. Colored optical fiber
着色光纤
2. Spiral armor
螺旋铠装
3. Aramid fiber
芳纶
4. Outer sheath
外护套



Specifications 参数

Technical Parameters 结构参数

Fiber Core 光纤芯数	Outer Diameter 外径 (mm)	Tensile Strength 允许拉伸力		Crush Resistance 允许压扁力		Min. Bending Radius 最小弯曲半径		General Attenuation (with connector) 一般衰减(含接头) (dB/km)		Applicable Temperature Range 适用温度范围 (°C)	Net Weight (include drum) 净重(含盘具) (kg/500m)
		Long Term 长期 (N)	Short Term 短期 (N)	Long Term 长期 (N/100mm)	Short Term 短期 (N/100mm)	Static 静态 (mm)	Dynamic 动态 (mm)	1310nm	1550nm		
1-2	2.5	800	1500	3000	5000	30	60	≤0.45	≤0.35	-40~85°C	≤7.5
1-2	2.8	800	1500	3000	5000	30	60	≤0.45	≤0.35	-40~85°C	≤9.0
4	3.0	800	1500	3000	5000	30	60	≤0.45	≤0.35	-40~85°C	≤12
6	3.5	800	1500	3000	5000	30	60	≤0.45	≤0.35	-40~85°C	—