



铠装野战光缆-超轻型

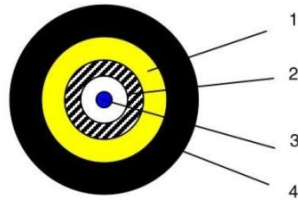
超轻型铠装野战光缆(GMDKAU)

Ultra-light Armored FO Cable for Field Operation

◆ 产品描述 Description

超轻型铠装野战光缆是一种专为军队野外和复杂环境下作战临时快速布线和反复收放而设计的铠装通信光缆。光缆秉持“轻”、“韧”、“柔”的设计理念，采用超微不锈钢软管进行铠装，配以高模量的进口芳纶和富有弹性的耐磨PU外护套，使其具有极优良的机械性能。这种光缆最大的特点是重量轻，机械强度极高，适用于军用野外通信系统快速布线或反复收放；雷达、航空和舰船布线；油田、矿山、港口、电视现场转播、通信线路抢修等条件严酷的场所。

Ultra-light Armored FO Cable for Field Operation is designed for the quick and iterative distributing & retrieving under harsh environment for field operation. The cable is armored with SUS flexible spring tube, portable, flexible, oil-resistant, rubbing-resistant, flame retardant, high tension load and wide operating temperature range. Its applications include quick deployment, military, mining, oil field, TV broadcasting, and communication emergency repair.



1. 凯夫拉Kevlar
2. 螺旋钢管SUS Spring Tube
3. 光纤 Fiber
4. PU外护套PU Outer Jacket



◆ 产品特点 Features

- ◆ 超微小不锈钢软管保护，具有很好的机械性能；
Mini diameter SUS spring tube sheath ensures good mechanical performance;
- ◆ 大面积高模量凯夫拉加强，使光缆达到1500N以上的抗张强度；
A large scope aramid yarn ensures the cable with extremely high mechanical intensity;
- ◆ 热塑性聚氨酯弹性体护套为光缆提供了良好的结构稳定性和耐磨、耐油、低温柔韧等性能；
Flame retardant PU jacket guarantees structure stability and features of crush-resistant, rubbing-resistant, oil-resistant and flame retardant, RoHS compliant
- ◆ 采用特种抗弯折光纤，使光缆可以任意弯折，方便使用；
Special bending insensitive fiber to make the cable bend freely, easy to use;
- ◆ 2.8mm的微小外径，重量不超过10kg/km；
Mini outer diameter to 2.8mm, weight less then 10kg/km;

◆ 推荐用途 Application

- ◆ 军用通信；
Military communication;
- ◆ 煤矿、油井、天然气、地质勘探等通信；
Mining, oil, gas and geosciences industries;
- ◆ 广播电视转播，临时通信系统；
Broadcast, provisional communications system;

◆ 主要参数 Main Parameters



光纤 芯数 Fiber Count	外径 Outer Dia. (mm)	允许拉伸 Tensile Resistance (N)		允许压扁力 Pressure Resistance (N/100mm)		最小弯曲半径 Mini Bending Radius (mm)		一般衰减 Attenuation (dB/km)		适用温度范围 Operation Temperature (°C)	净重 N.W. (kg/km)
		长期 Long Term	短期 Short Term	长期 Long Term	短期 Short Term	动态 Dynamic	静态 Static	1310nm	1550nm	长期 Long Term	
1-2	2.8	1200	1500	3000	4000	50	25	≤ 0.4	≤ 0.3	-40 ~ 80	10