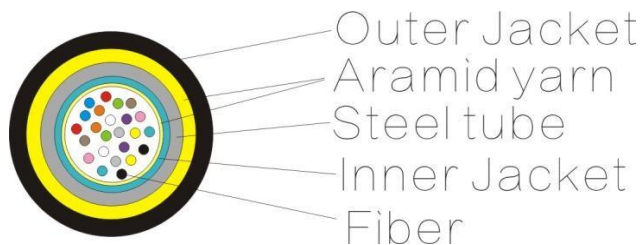


24 Core Single Mode Mil Tactical Armored Cable

Cable Structure



Structure: 0.25MM color fiber*12/24+ Aramid yarn +inner jacket +stainless steel tube+ Aramid yarn+ outer jacket

Product Introduction

The military Tactical optical cable is to replace the ordinary indoor/outdoor bundle optical cable and spiral armored sheath with thermoplastic polyurethane elastomer (TPU) material with better performance. The military Tactical optical cable covered with TPU material has excellent flexibility, which is very convenient for construction and wiring. At the same time, its tensile strength is higher than that of ordinary materials. The material is very wear-resistant, which is suitable for the environment of repeated retraction and playback wiring, such as the mobile wiring of stage TV live broadcast, the rapid wiring of military communication, and the emergency communication repair. At the same time, TPU material also has good performance in corrosion resistance, acid-base oil stain, etc. in combination with its stable heat shrinkage performance, it is not easy to change the physical properties of thermal expansion and cold contraction in the environment of repeated high and low temperature cycles. It is especially suitable for use in some special harsh environments, such as industrial equipment, ships, aerospace instruments, polar environments, etc. For some military Tactical optical cables with high requirements, the material of the sub cable will be replaced by nylon with higher strength from ordinary PVC / LSZH to make its performance more stable.

Product Category

According to different structures, military Tactical cables can be divided into un-armored bundle field optical cables, and armored bundle field optical cables.

1. Non-armored bundled GJFJU military Tactical cable, with sub cable of 0.9mm, outer diameter of 5.0-8.0mm and core number of 2-24.
2. Armored bundled GJSJU Mil-T cable, sub cable 0.9mm, outer diameter 5.0-6.0mm, number of cores 2-12.
3. Armored bundled GJSJU Mil-T cable, sub cable 0.25mm, outer diameter 7.0mm, number of cores 24.

Specifications

1. **Fiber**
0.25mm color fiber: SM: G652D, G657A; MM:50/125,62.5/125
2. **Stainless steel tube**
material : SUS204
Outer diameter : 4.0mm±0.2mm
Inner diameter: 3.2 mm±0.2mm
Gap: 0.2 mm±0.05mm
3. **Aramid yarn :**
model:1000DEN
Number: 2 branches inside the inner jacket
10 branches outside the stainless-steel tube
4. **Jacket**
 - 4.1. **Inner jacket**
Material : LSZH
diameter : 3.0 mm±0.2mm
 - 4.2. **Outer jacket**
Material : PVC, OFNP, LSZH, TPU, PE
Diameter : 7.0±0.30 mm
Thickness: 1.2±0.20 mm

Product Characteristics

The armored Mil Tactical cable is specially designed for use under the conditions of rapid wiring or repeated collection and release in field and complex environments. It has light weight and is easy to carry; High tension resistance, pressure resistance and strength to weight ratio; Good flexibility and easy to bend; Oil resistant, wear-resistant and flame retardant; Wide applicable temperature range. It is suitable for rapid wiring or repeated collection and playback of military field communication systems; Radar and ship wiring; Oil fields, mines, ports, on-site TV broadcasting, emergency repair of communication lines and other occasions with harsh conditions.

Features

| Item | | Singlemode | | Multimode | |
|--------------------------------|------------|------------------------------------------------------|-----------|----------------|-----------|
| Outer diameter | | 7.0mm | | 7.0mm | |
| Standard color | | Black or other | | Black or other | |
| Cable weight | | 65kg/km approx | | | |
| Operating temperature | | PVC, OFNP -20℃～+70℃ ; LSZH, TPU , PE-40℃～+80℃ | | | |
| Storage temperature | | -40℃～+80℃ | | | |
| Tensile strength | Short term | 2000N | | | |
| | Long term | 1200N | | | |
| Compression resistant strength | | ≥3000N/100MM | | | |
| General attenuation | | 1310nm | ≤0.4dB/km | 850nm | ≤3.0dB/km |
| | | 1550nm | ≤0.3dB/km | 1300nm | ≤1.0dB/km |
| Minimal Bending radius | | ≥30D | | ≥30D | |