

Armored Simplex Cable

Product Structure Diagram



Product Description

The simplex fiber optic cable are much stronger and tougher than common cables, which are designed to withstand crush, pressure, and rodent issues. They possess high flexibility and durability when used in harsh environments or limited space. When it comes to unarmored and armored fiber optic cables comparison, the distinctive difference lies in the outer protective layer. Precisely speaking, the armoring material doesn't have to be metal, which can be fiber yarn, glass yarn, polyethylene, etc. The additional outer protective layer for optical cable makes the armored cable special, so the armored cables will be installed in locations that may expose to mechanical damages, while unarmored cables are normally used for control systems.

Product features

- All kinds of connector.
- Fiber optic pigtails, patch cords.
- Fiber optic equipment and instrument.
- Indoor cabling, building cabling, LAN, etc.
- Long distance, outdoor/indoor cabling, trunking, etc.
- Backbone network to the equipment in the buildin.
- The cabling from desk or under the carpet to ceiling.
- Small bending radius, large capacity, multi user indoor installation, unit cabling, independent using, convenient connection with each end devices.
- Recommend high density wiring, small installation space and curvature.

Application

Stainless steel wires enhance the crush resistance of the cable and anti-rodent.

High strength aramid yarn, high performance outer sheath.

Small bending radius, light weight, flexibility, and friendly installation.

Good mechanical and environmental performance.

Flame retardant outer sheath provide good safety.

Technical Specifications

Product Parameters

Project	Technical indicators					
Cable Diameter(mm)	1.6	1.8	2.0	2.4	2.8	3.0
Cable weight(Kg/km)	3.8	4.8	6.5	7.0	10.5	11.0
Fiber Diameter(mm)	0.25	0.5	0.5	0.5	0.5	0.9
Armored tube Diameter(mm)	0.6	0.9	0.9	0.9	0.9	1.5

Fiber Type	SM9/125 MM50/125 MM62.5/125 OM3 OM4
Tensile Strength(N)	Long/Short Term:100/200
Crush (Max.N/100mm)	2000
Min.Bending radius (H=Cable Height)	Long/Short Term:20xH/10xH
Temperature(°C)	Storage /Operation:-20°C~+60°C

unionfiber