

GYXTC8S Armored Uni-tube Aerial Installation Figure-8

Self-supporting Optical Cable

Product Structure Diagram



Product Description

The structure of GYXTC8S optical cable is to connect 250 μ . The optical fiber is inserted into a loose tube made of high modulus material, and the loose tube is filled with waterproof compound. A layer of double-sided coated steel strip (PSP) is longitudinally wrapped around the loose tube, and a water blocking material is added between the steel strip and the loose tube to ensure the compactness and longitudinal water blocking of the optical cable. It is integrated with the steel wire strand into an 8-shaped polyethylene sheath.

Product features

- Steel wire strands have extremely high tensile strength, making them easy for self-supporting overhead laying and reducing installation costs.
- Has good mechanical and temperature performance.
- Loose tube material itself has good hydrolysis resistance and high strength.
- The tube is filled with special ointment to provide critical protection for the optical fiber.
- Double sided coated steel strip (PSP) improves the moisture resistance of optical cables.
- Small diameter, light weight, easy to lay.
- Longer delivery length and cheaper price.

Application

Self-support Aerial Installation

Technical Specifications

Product Parameters

Project	Technical indicators
Counts	2-12
Cable Diameter(mm)	7.5*12.9
Tolerance Range(mm)	± 0.2 or customized
Fiber Type	SM9/125 MM50/125 MM62.5/125 OM3 OM4
Cable Weight(kgs/km)	135
Tensile Strength(N)	Long/Short Term:1000/3000
Crush Resistance(N/100mm)	Long/Short Term:1000/2200



Bending Radius(mm)	Static/Dynamic:10D/20D
Temperature(°C)	Storage /Operation:-40°C~+70°C