

Optical fiber Cable 6 core Steel

Optical fiber Cable 6 core Steel

Variants

6MM (Coil) 6MM (Drum) 6.2MM (Coil)

Details

?The 6 Core Optical Fiber Cable with a 6mm diameter and steel strength members is designed to provide reliable and efficient data transmission for various applications. Below is an overview of its key aspects:?

1) Product Introduction: This cable incorporates six optical fibers, typically single-mode, arranged symmetrically within the cable's core. The design includes a protective buffer layer around each fiber, with an overall reinforcement layer and an outer sheath to enhance mechanical strength and environmental protection.

2) Technical Parameters:

Fiber Type: Single-Mode or Multi-Mode?

Number of Fibers: 6?

Cable Diameter: Approximately 8-10mm?

Strength Member: Steel wire or synthetic fiber reinforcement layer?

Outer Sheath Material: High-Density Polyethylene (HDPE)?

Tensile Strength: High tensile strength suitable for various environmental conditions?

3) Key Features:

High Tensile Strength: The steel wire reinforcement provides excellent tensile strength, allowing the cable to withstand mechanical stresses during installation and operation.?

Environmental Protection: The HDPE outer sheath offers resistance to environmental factors, making the cable suitable for both indoor and outdoor installations.?

Efficient Data Transmission: The cable's design ensures low signal attenuation, supporting high-speed data transmission over long distances.?

4) Product Advantages:

Durability: The robust construction with steel reinforcement ensures a long service life, even in demanding environments.?

Versatility: Suitable for various applications, including telecommunications networks, CATV, and broadband infrastructure.?

Cost-Effective: The cable's durability and performance can lead to reduced maintenance costs over time.?

This 6 Core Optical Fiber Cable with steel strength members is an excellent choice for projects requiring reliable and high-speed data transmission, combined with durability and flexibility to adapt to various installation environments.

Product Overview of Optical fiber Cable 6 core Steel 6MM (Coil):

Acrylate primary coated fiber placed loosely in a jelly-filled uni-tube, HDPE jacketed, steel wire embedded in HDPE jackets as strength member, fiber optic cable for CATV application.

Optical Characteristics of G 652D Fibers

Attenuation (dB/Km) @1310nm@1550nm

fiber cut off wavelength

Mode Field Diameter @1310nm 9.3+-0.5mm

Mode Field Diameter @1310nm 9.3+-0.5mm

Mode Field Diameter @1550nm 10.4+-0.5mm

Cable Construction Details of Optical fiber Cable 6 core Steel 6MM (Coil):

No. of Fibers in Tube : 2/4/6/12 fibers per tube as per fiber count

Loose Tube: PBT Loose Tube Filled in Thixotropic Jelly

Strength Member: Fiber Reinforced Plastic

Outer sheath: High density polyethylene - Black Color -1.8mm Nominal

Standard Length: 3000m+- 10

Additional Information of Optical fiber Cable 6 core Steel 6MM (Coil):

Item Code	6F_FRP_OFC
Delivery Time	As per market Demand
Production Capacity	500 Km
Packaging Details	Roll And Drum

