

Optical Fiber Cable Messenger

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Variants

6 Core 12 Core 24 Core

Details

The **6 / 12 / 24 Core Optical Fiber Cable with Messenger Wire** is designed for aerial fiber optic installations where stable support and reliable data transmission are required. Its **Figure-8 cable structure** combines the fiber optic cable and messenger wire into one complete self-supporting design.

The integrated messenger wire, usually made from galvanized steel, provides strong tensile support for pole-to-pole aerial installation. This eliminates the need for a separate support wire and helps reduce installation time, labor cost, and material usage.

Fiber Count

6 / 12 / 24 Core

Cable Type

Figure-8

Messenger

Steel Wire

Application

Aerial

Product Overview

Item	Description
Optical Fiber Cable	Contains optical fibers for high-speed data transmission over long distances.
Fiber Count	Available in 6 Core, 12 Core and 24 Core options.
Messenger Wire	Integrated support wire used for aerial installation between poles or towers.
Cable Design	Figure-8 self-supporting structure with cable and messenger in one unit.

Technical Parameters

Parameter	Specification
Product Type	Figure-8 Optical Fiber Cable with Messenger Wire
Fiber Count	6 Core / 12 Core / 24 Core

Parameter	Specification
Fiber Type	Single Mode / Multimode as per requirement
Cable Construction	Figure-8 Self-Supporting Design
Messenger Wire	Galvanized Steel Wire
Outer Sheath	HDPE / MDPE, UV Resistant
Installation Type	Aerial Pole-to-Pole Installation
Operating Temperature	-40°C to +85°C
Application	Telecom, ISP, Broadband, CCTV, FTTH and Cable TV Networks

Key Features

? Figure-8 Self-Supporting Cable Design

? Integrated Messenger Wire for Aerial Support

? No Separate Support Wire Required

? UV Resistant HDPE / MDPE Outer Sheath

? Strong Tensile Strength for Pole Installation

? Stable Long-Distance Data Transmission

? Suitable for Outdoor Weather Conditions

? Cost-Effective and Fast Installation

Product Advantages

Cost-Effective Installation

The integrated messenger wire reduces installation time and removes the need for a separate support strand.

Reliable Outdoor Performance

The durable sheath and galvanized steel messenger provide strong protection against wind, sun, and outdoor stress.

Versatile Network Use

Suitable for ISP networks, telecom routes, broadband access, CCTV fiber links, and cable television networks.

Applications

Aerial Fiber Installation

ISP Distribution Networks

Telecom Backbone Routes

FTTH Outdoor Network

Cable Television Networks

CCTV Fiber Connectivity

Broadband Access Networks

Pole-to-Pole Fiber Routes

Available Core Options:

6 Core • 12 Core • 24 Core

Note: Please select the required fiber count, fiber type, and cable structure according to your aerial installation distance and project requirement.