

Outdoor Self-Supported FTTH Fiber Drop Cable

Outdoor Self-supported FTTH flat drop cable are used in high speed and broadband application. The design features UV resistant, flame retardant without gel with a supporting steel wire to meet the rugged and challenging outdoor aerial installation. Two parallel strength member provides superior tensile strength to the cable.

The outdoor FTTH drop cables are light weighted, suitable for direct installation in villa, multi dwelling units and with properties of excellent crush and impact resistance.

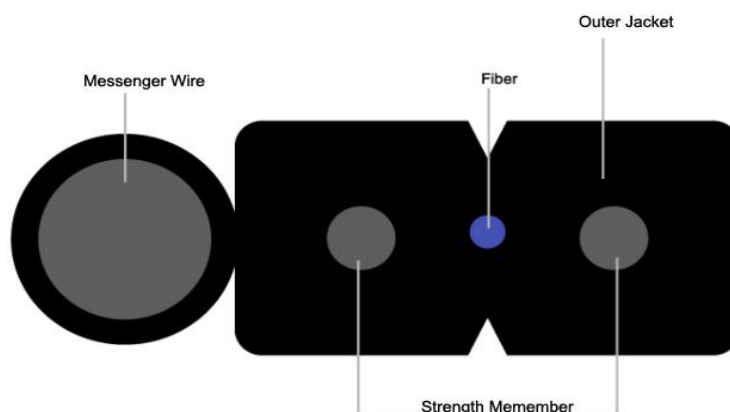
Features

1. Simple structure, light weight and high tensile strength.
2. PVC or fire resistant LSZH jacket for option environment-friendly and good security.
3. Usually with bend insensitive fiber for uninterrupted high speed Ethernet performance and installed in space constraint areas
4. Two parallel steel wires/FRP strength members ensure tensile strength and crush resistance
5. Steel wire messenger, suitable for Aerial, duct can be installed in both indoor and outdoor
6. Have extensive fiber for option but usually with bend insensitive fiber to ensure the excellent communication transmission property

Application

1. Direct installation in multi dwelling units, aerial
2. Used in indoor/outdoor cabling especially used for FTTH

Structure:



ITEM	CONSTRUCTION
Fiber Count	4, 2, 1
Cable Diameter	5.3*2.0MM(1-2c), 6.1*2MM (4c)
Fiber Coating Color	Red, Green, Blue, White
Cable Outer Jacket Color	Black, White, Grey

FIBER CHARACTERISTICS

ITEM	CONSTRUCTION
MODE FIELD DIAMETER @1310NM	8.6±0.4μm
CLADDING DIAMETER	125±1μm
CORE CONCENTRICITY ERROR	≅ 0.6μm
CLADDING NON-CIRCULARITY	≅ 1.0%
PRIMARY COATING DIAMETER	250±15μm
COATING-CLADDING CONCENTRICITY ERROR	≅ 12.5μm
FIBER CURL RADIUS	≅ 4m

TRANSMISSION CHARACTERISTICS

ITEM	PERFORMANCE
ATTENUATION	1310nm 1550nm ≅ 0.40db/km ≅ 0.30db/km
MACRO BENDING LOSS	30mm 10 turns at 1550nm ≅ 0.50db
CUT-OFF WAVELENGTH	≅ 1260nm
CHROMATIC DISPERSION	1310nm 1550nm ≅ 3.5ps/nm.km ≅ 18ps/nm.km
ZERO DISPERSION WAVELENGTH	1300-1324nm
ZERO DISPERSION SLOPE	≅ 0.092ps/n m ² .km