

FTTH DROP CABLE

Description

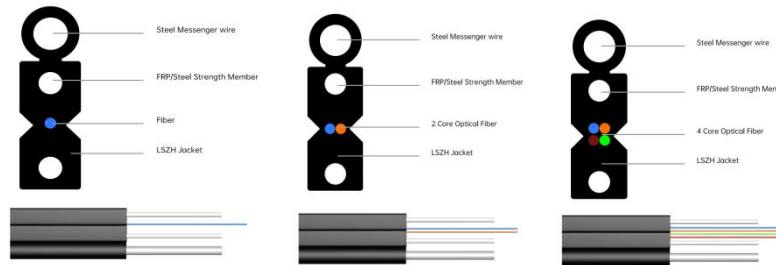
The Outdoor FTTH Drop Cable with a thick outer packaging is durable and can withstand harsh outdoor environments. It has some mechanical and environmental characteristics such as pressure resistance, corrosion resistance and tensile strength. The optical fiber unit is positioned in the centre. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. A steel wire as the additional strength member is also applied. Then the cable is completed with a black or color LSZH sheath.



Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property;
- Two parallel FRP strength members ensure good performance of crush resistance to protect the fiber;
- Single steel wire as the additional strength member ensures good performance of tensile strength;
- Simple structure, light weight and high practicability;
- Novel flute design, easily strip and splice, simplify the installation and maintenance;
- Low smoke, zero halogen and flame retardant sheath.

Profile View



Fiber Parameters

No.	Items		Unit	Specificati on
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	λ _{cc} ≤1260
9	Attenuation(max .)	1310nm	dB/km	≤0.35
		1550nm	dB/km	≤0.21
10	Macro-Bending Loss	1 turn×10mm radius @1550nm	dB	≤0.75
		1 turn×10mm radius @1625nm	dB	≤1.5



Cable Parameters

Items		Specification
Fiber Count		1/2/4
Colored Coating Fiber	Dimension	250±15µm
	Color	Blue/Blue, Orange
Strength Member	Dimension	0.45mm/0.5mm
	Material	Steel Wire/FRP
Self-supporting Member	Dimension	1.0mm
	Material	Phosphate Steel Wire
Jacket	Dimension	5.2±0.2mm×2.1±0.1mm
	Material	LSZH
	Color	Black/White

Mechanical and Environmental Characteristics

Items	Unit	Specification
Tension (Long Term)	N	500
Tension (Short Term)	N	1000
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	2200
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	-20 to +60
Operating Temperature	°C	-40 to +70
Storage Temperature	°C	-40 to +70

Packing Pictures



The size of carton is 33×33×33cm, 1000m/drum. Gross weight is about 20-21kg

Ordering Information

Part Number	Description
1 core	Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 1-Core
2cores	Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 2-Core
4cores	Outdoor FTTH Drop Cable with Strength Wire, G657.A1, LSZH, 4-Core