

DATASHEET

1FO 2.0 x 5.0MM Flat FTTH Drop Cable, LSZH Black Jacket, Plastic Reel Packed

- For FTTx Solution



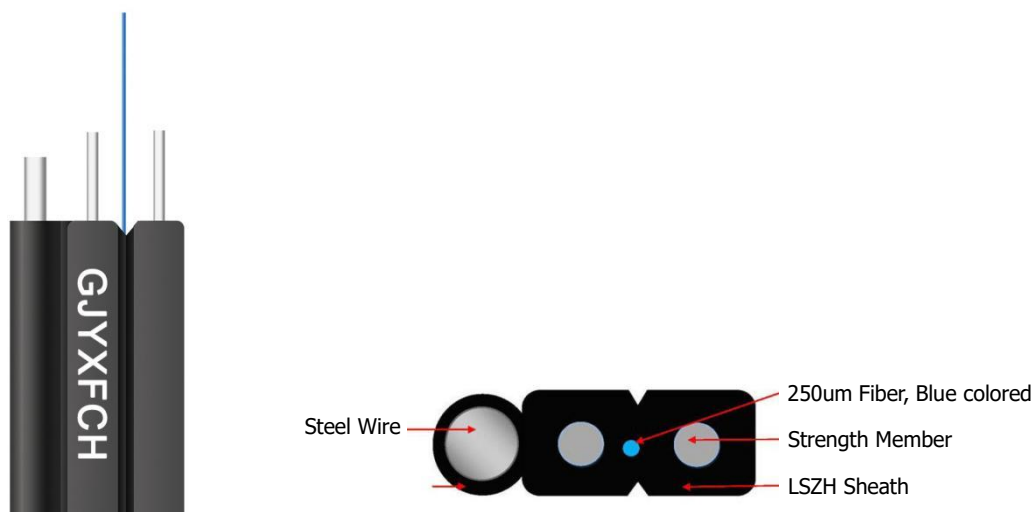
Product Description

The butterfly-shaped outdoor optical cable for self-supporting access network is to put the optical communication unit in the center, and place two parallel metallic reinforcing elements (Steel Wire) on both sides to add a main steel wire reinforcing element on the outside. Finally, extruded black or color low Smoke-free halogen sheathed cable.

Keyed Characteristic

- ✓ Special bend-resistant optical fiber provides greater bandwidth and enhances network transmission characteristics;
- ✓ Two parallel stainless steel make the optical cable have good compression resistance and protect the single steel wire of the optical fiber;
- ✓ Additional strengthening elements, three steel wires make the optical cable have good tensile performance;
- ✓ The optical cable has simple structure, light weight and strong practicability;
- ✓ Unique groove design, easy to peel off, convenient to connect, simplify installation and maintenance of low-smoke halogen-free flame retardant sheath, environmental protection.

Cable Structure



Application

- ✓ FTTH system;
- ✓ Indoor/Outdoor riser level and plenum level cable distribution;
- ✓ Interconnect between instruments, communication equipments.

Fiber Parameter

No.	Items		Unit	Specification
				G.657A1
1	Mode	1310	nm	9.0±0.4
	Field Diameter	1550	nm	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	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.21
		1550nm	dB/km	≤0.21
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius @1625nm	dB	≤1.5

Cable Parameters

Items		Specifications
Fiber Count		1
Colored Coating Fiber	Dimension	250±15μm
	Color	Blue
Jacket	Dimension	(2.0±0.1)×(5.0±0.3) mm
	Material	LSZH
	Color	Black
Strength Member		2 x 0.40mm Stainless Steel, 1 x 0.8mm Stainless Steel
Cable Weight		18.7KG/KM
Outer Packing Size (mm)		350 x 310 x 310

Mechanical and Environmental Characteristics

Items	Unit	Specification
Tension (Long Term)	N	300
Tension (Short Term)	N	600
Crush (Long Term)	N/10cm	1000
Crush (Short Term)	N/10cm	2200
Min. Bend Radius (Dynamic)	mm	30D
Min. Bend Radius (Static)	mm	15D
Operating Temperature	°C	-20~+70
Storage Temperature	°C	-20~+70