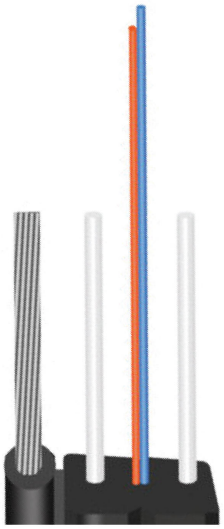
FTTH CABLE PRODUCT

FTTX Strand Fig-8 Drop Wire Flat

FIBER TO THE HOME AERIAL CABLE (SELF SUPPORT FTTH)

FTTH Cable directly connected to their homes, their bandwidth, wavelength and transmission technology type are not restricted. The optical fiber unit id positioned in the centre. Two parallel strength member are placed at the two sides. A steel wire as the additional strength member is alsoapplied ,then, the cable is completed with a black PE sheath.



F-FTTX-SDF8-XX

FEATURE

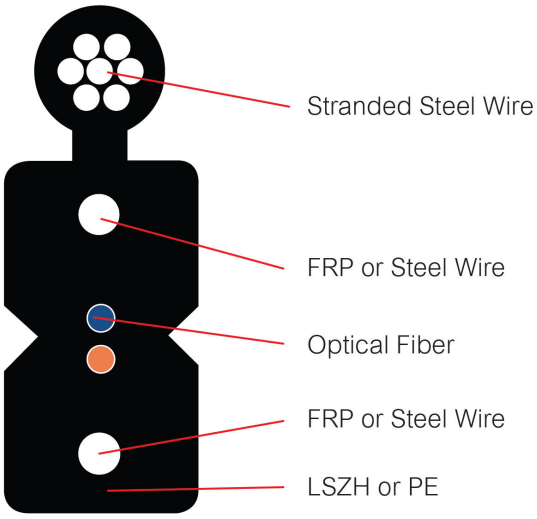
- Soft and bendable, easy to deploy and maintenance.
- Smaller diameter, Light weight, and high practicability.
- Fiber reinforced plastic as the strength member ensures excellent anti-electromagnetic performance.
- Environmental protection- Low smoke, zero halogen and flame retardant sheath.

APPLICATION

- Used in access network or as access cable from outdoor to indoor in customer premises network
- Used as access building cable in premises distribution system, especially used in indoor or outdoor

STANDARD

ITU-T G.651 (Multimode), IEC 60332-1, IEC 60332-2& IEC 60332-3, IEC 60793/60794, ANSI/ICEA 596,EIA/TIA-455, UL, RoHS Compliant 2002/95/EC ANSI/TIA-568-C.3, ANSI/TIA/EIA-568-B.3, ISO/IEC 11801:2002, ANSI/ICEA 696, Telcordia (Bellcore) GR-20-CORE, ITU-T G.657A1/G.657A2 (Singlemode), IEEE802.3z, IEEE802.3ae, IEEE802.3(LAN, EthernetFast Ethernet,Gigabit Ethernetand10Gigabit Ethernet40-100 Gbps)



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CABLE CONSTRUCTION DETAILS

Numberof fiber		1~6core
Cable weight	Material	Galvanized steel wire/FRP/KFRP
	diameter	2*(0.5~0.8)mm
Messenger sheath thickness	Material	Galvanized steel wire
	diameter	1.0mm
Cable sheath thickness	Material	LSZH
	diameter	1.8±0.2mm
Cable size (Height * width)		2.0(±0.1) mm × 5.2(±0.2)mm
Outer sheath		Max. 0.8mm/Min. 0.4mm
Self support Messenger wire		7 x 0.4 mm (1.2mm.)
strength member	1~2core	18.2KG
	4~6core	18.5KG

OPTICAL CHARACTERISTICS

		G.657	G.657D	50/125um	62.5/125um
Attenuation	@850nm			≤ 3.5 dB/km	≤ 3.5 dB/km
(+20°C)	@1300nm			≤ 1.5 dB/km	≤ 1.5 dB/km
	@1310nm	≤ 0.45 dB/km	≤ 0.50 dB/km		
	@1550nm	≤ 0.30 dB/km	≤ 0.50 dB/km		
Bandwidth	@850nm			≥ 500 MHz·km	≥ 200 MHz·km
(Class A)	@1300nm			≥ 1000 MHz·km	≥ 600 MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λcc		≤ 1260nm	≤ 1480nm		

FIBER PARAMETERSA

Items		Unit	Specification G.657A1
Mode Field Diameter	@1310nm	um	9.0±0.4
	@1550nm	um	10.1±0.5
Cladding Diameter		um	124.8±0.7
Cladding Non-Circularity		%	≤ 0.7
Core-Cladding Concentricity Error		um	≤ 0.5
Coating Diameter		um	245±5
Coating Non-Circularity		%	≤ 6.0
Cladding-Coating Concentricity Error		um	≤ 12.0
Cable Cutoff Wavelength nm		nm	λcc ≤ 1260
Attenuation (max.)	@1310nm	dB/km	≤ 0.35
	@1550nm	dB/km	≤ 0.21
Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤ 0.75
	1turn×10mm radius@1625nm	dB	≤ 1.5

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CABLE MECHANICAL CHARACTERISTIC

Items		Description
Installation Temperature range		-20°C+60°C
Operation and transport temperature		-40°C+70°C
Min Bending Radius(mm)	Long term	15D
	short term	30D
Min allowable Tensile Strength(N)	Long term	300
	short term	600
Crush Load (N/100mm)	Long term	1000
	short term	2200

ORDER INFOMATION

PRODUCT	PART NUMBER
FTTX Strand Fig-8 Drop Wire Flat 1 Core	F-FTTX-SDF8-01
FTTX Strand Fig-8 Drop Wire Flat 2 Core	F-FTTX-SDF8-02
FTTX Strand Fig-8 Drop Wire Flat 4 Core	F-FTTX-SDF8-04

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