



FTTH Self-Supporting Drop Cable

All dielectric non-metallic self-supporting drop cable for FTTH (or FTTX in general) applications. It comes with 1 to 4 250 μ m individually coloured bend insensitive singlemode fibres and it contains FRP strength members. The bow-type cable portion and outer Low Smoke Zero Halogen (LSZH) jacket comes with a nominal dimension 2x3mm and 2x5mm, respectively.

Features

- Single mode optical fibre meeting ITU-T G.657A1/A2
- Choice of fibre types
- Black LSZH jacket for external use
- Individually coloured optical fibres

Applications

- Outdoor FTTH/FTTx applications
- Horizontal and riser applications

Specifications

Fibre Attenuation

	PAREMETER	UNIT	VALUE
G.657A1/A2	Attenuation@1310nm	dB/km	0.4
	Attenuation@1550nm	dB/km	0.3

Cable Dimension and Construction

PAREMETER		UNIT	VALUE
Fibre Count			1 to 4 fibres
Strength Member	Material		FRP
	Diameter	mm	0.45
Phosphating Steel Wire	Diameter	mm	1.20
Sheath	Colour		Black
	Material		LSZH
Primary buffer diameter		µm	250
Mode Field Diameter @1310nm		µm	8.6±0.4
Mode Field Diameter @1550nm		µm	9.8±0.5
Cladding diameter		µm	125±0.7
Colored coating diameter		µm	250±10
Bow-type cable size		mm	(3.0±0.2) * (2.0±0.1)
Cable Size		mm	(5.3±0.2) * (2.0±0.1)
Fibre Colour Code			1-Blue, 2-Orange, 3-Green, 4-Brown

Mechanical & Environmental Characteristics

PAREMETER		UNIT	VALUE
Tensile Strength	Long Term	N	300
	Short Term	N	600
Crush Resistance	Long Term	N	1000
	Short Term	N	2200
Impact			1 N.m, jacket no damage, additional attenuation \leq 0.4dB
Repeating bending			R=30H,20N,300cycles, jacket no damage, additional attenuation \leq 0.4dB
Torsion			20 N,20cycles, \pm 180°, jacket no damage, additional attenuation \leq 0.4dB
Bending radius	load	mm	40
	unload	mm	20
Flame resistance			IEC60332-1
Additional att. (-40°C~60°C)		dB/km	\leq 0.4
Temperature	Storage	°C	-40 to +70
	Installation		-10 to +50
	Operating		-40 to +60

Ordering Information

	Fibre Type		Jacket Type		Fibre Count	
	OFC-ODRS	A1	G.657A1	2B	LSZH (external)	01
A2		G.657A2			02	2
					04	4

Example order code

OFC-ODRS	-	A1	1	-	02
----------	---	----	---	---	----

FTTH non-metallic self-supporting Outdoor Drop Cable G.657A1 LSZH Black 2 Fibres