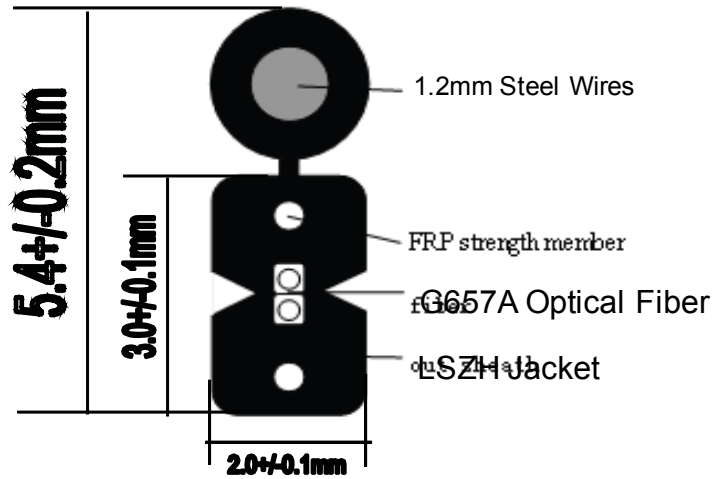


Drop cable for FTTx.Aerial application.Flat type

SPECIFICATION

FTTH-2C

OPTICAL FIBER CABLE



ITEM
FIBER COUNT
CABLE DIAMETER
CABLE WEIGHT

CONSTRUCTION
2
5.4*2.0MM
21.70KG/KM

FIBER IDENTIFICATION



GENERAL

THIS SPECIFICATIONS COVERS THE OPTICAL FIBER CABLE FOR LAYING IN INDOOR INSTALLATION .
 THE OPTICAL FIBER MEETS THE REQUIREMENTS OF ETISALAT SPECIFICATIONS :





Fiber characteristic

Fiber style	Unit	SM G652	SM G652D	MM 50/125	MM 62.5/125	MM OM3-300
condition	nm	1310/1550	1310/1550	850/1300	850/1300	850/1300
attenuation	dB/km	≤	≤	≤	≤3.0/1.0	≤3.0/1.0
		0.36/0.23	0.36/0.23	3.0/1.0		
Dispersion	1550nm	Ps/(nm*km)	≤18	---	---	Dispersion
	1625nm	Ps/(nm*km)	≤22	---	---	
Bandwidth	850nm	MHZ.KM	---	≥400	≥160	Bandwidth
	1300nm	MHZ.KM	---	≥800	≥500	
Zero dispersion wavelength	nm	1300-1324	≥1302, ≤1322	---	---	≥ 1295, ≤1320
Zero dispersion slope	nm	≤0.092	≤0.091	---	---	---
PMD Maximum Individual Fibr		≤0.2	≤0.2	---	---	≤0.11
PMD Design Link Value	Ps(nm ² *k m)	≤0.12	≤0.08	---	---	---
Fibre cutoff wavelength λ _c	nm	≥ 1180, ≤1330	≥1180, ≤1330	---	---	---
Cable cutoff wavelength λ _{cc}	nm	≤1260	≤1260	---	---	---
MFD	1310nm	um	9.2+/-0.4	9.2+/-0.4	---	---
	1550nm	um	10.4+/-0.8	10.4+/-0.8	---	---
Numerical Aperture(NA)		---	---	0.200+/-0.015	0.275+/-0.015	0.200+/-0.015
Step(mean of bidirectional measurement)	dB	≤0.05	≤0.05	≤0.10	≤0.10	≤0.10
Irregularities over fiber length and point	dB	≤0.05	≤0.05	≤0.10	≤0.10	≤0.10

Dicontinuity

Difference backscatter coefficient	dB/km	≤0.05	≤0.03	≤0.08	≤0.10	≤0.08
Attenuation uniformity	dB/km	≤0.01	≤0.01			
Core diameter	um			50+/-1.0	62.5+/-2.5	50+/-1.0
Cladding diameter	um	125.0+/-0.1	125.0+/-0.1	125.0+/-0.1	125.0+/-0.1	125.0+/-0.1
Cladding non-circularity	%	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Coating diameter	um	242+/-7	242+/-7	242+/-7	242+/-7	242+/-7
Coating/chaffinch concentricity error	um	≤12.0	≤12.0	≤12.0	≤12.0	≤12.0
Coating non circularity	%	≤6.0	≤6.0	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error	um	≤0.6	≤0.6	≤1.5	≤1.5	≤1.5
Curl(radius)	um	≤4	≤4	---	---	---