

FIBER INTERCONNECT PRODUCTS



Aerial Fiber Optic Cable (Max Span: 100m)

Description / Applications

- All Dielectric Self Supporting (ADSS) Cable for Aerial Application.
- Black PE jacketed cable is a UV-stabilized, water blocked cable for outdoor aerial applications.
- Loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications.
- High modulus aramid yarns provides high tensile strength and long term reliability.

Applications

- Low-voltage transmission and distribution System (Space potential ≤ 12 kV)
- Railways and Telecommunications pole route.
- Suitable for all type of aerial lines

Specifications

- IEC 60793 / IEC 60794, ITU-T G652D
- Telcordia GR-20-CORE, IEEE 1222

Color Identification

01 - Blue	05 - Slate	09 - Yellow
02 - Orange	06 - White	10 - Violet
03 - Green	07 - Red	11 - Pink
04 - Brown	08 - Black	12 - Aqua

Mechanical Characteristics

Storage Temperature : -40 to +80° C / Operating Temperature : -30 to +70° C

Fiber Count	Nominal* Outer diameter		Nominal* Weight		Crush Load				Minimum Bend Radius Loaded / Installed			
	[mm]	[inch]	[kg/km]	[lb/1000 ft]	Short Term		Long Term		[cm]		[inch]	
6	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
12	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
24	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
36	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
48	12.0	0.47	105	70	220	125	110	63	24.0	9.45	12.0	4.72
72	12.0	0.47	105	70	220	125	110	63	24.0	9.45	12.0	4.72

Transmission Performance 1310nm / 1550nm

Max. Attenuation	(dB/km)	0.35 / 0.25
Max. Dispersion	(ps/nm-km)	3.5 / 18
Max. PMD	(ps/√ km)	0.2
Max. Field Diameter	(um)	92 ± 0.4 / 105 ± 1.0

Ordering Information

FC-OS1-MLT-ADSS1-YYY-LZ
FC-OS1-MLT-ADSS1-YYY-PE

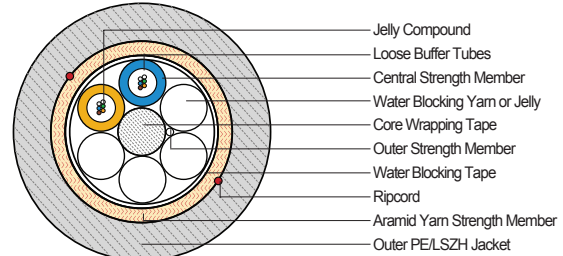
YYY : Number of Cores

Standard Reel Length	4000m
----------------------	-------

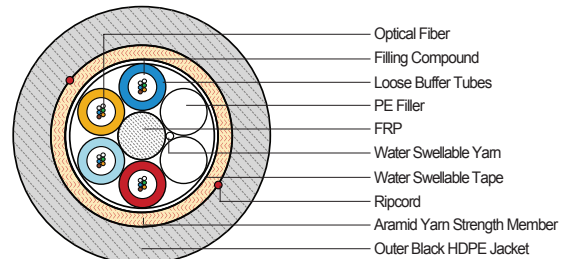
*Other Cable lengths may be available upon request

Loading / Sag Estimation

Items	Unit	Loading Estimation	
		Light	
NESC Condition Code	-		
Fiber Counts	-	6-36	48-72
Installation	Load	kg(lb)	120 (264) / 132 (290)
	Sag	m(ft)	1.0 (3.3) / 1.0 (3.3)
Every Day Stress	Load	kg(lb)	111 (244) / 123 (271)
	Sag	m(ft)	1.1 (3.6) / 1.1 (3.6)
Max. Operating Stress	Load	kg(lb)	312 (687) / 333 (733)
	Sag	m(ft)	4.0 (13.2) / 3.9 (12.8)
Max. Sag	Vertical	m(ft)	2.1 (6.9) / 2.1 (6.9)
	Horizontal	m(ft)	4.3 (14.1) / 4.3 (14.1)
Max. Survival Wind Speed	km/hr	150	



12-Fiber Cable



48-Fiber Cable