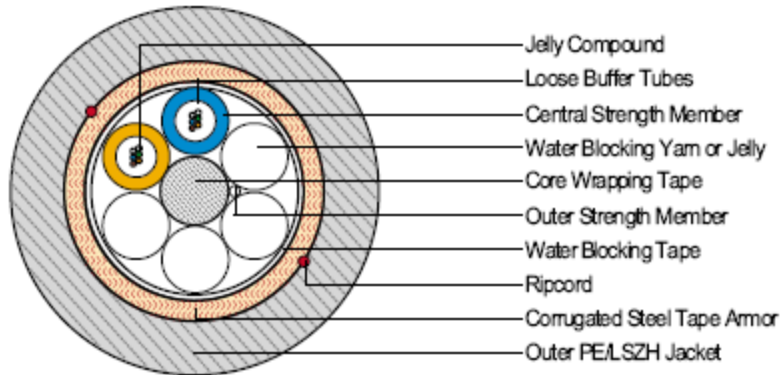
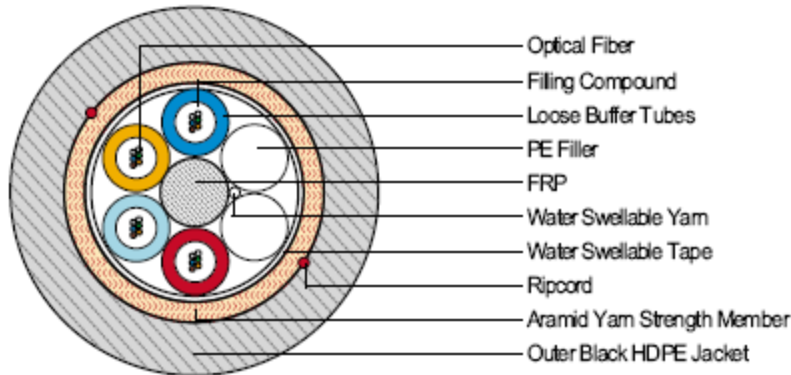




ADSS (Max span: 100m) Aerial Fiber Optic Cable



12-Fiber Cable



48-Fiber Cable

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



ORNET



Specification:

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

Colour 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	LSC Part Number	Nominal* Outer diameter		Nominal* Weight		Crush Load				Minimum Bend Radius			
		[mm]	[inch]	[kg/km]	[lb/1000 ft]	Short Term		Long Term		Loaded		Installed	
						[N/cm]	[lb/inch]	[N/cm]	[lb/inch]	[cm]	[inch]	[cm]	[inch]
6	LS09ADSS006-S100	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
12	LS09ADSS012-S100	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
24	LS09ADSS024-S100	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
36	LS09ADSS036-S100	11.3	0.44	96	64	220	125	110	63	22.6	8.90	11.3	4.45
48	LS09ADSS048-S100	12.0	0.47	105	70	220	125	110	63	24.0	9.45	12.0	4.72
72	LS09ADSS072-S100	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 / 10.5±1.0

Transmission Performance

Standard Reel Length	4000m
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*Other Cable lengths may be available upon request



Loading / Sag Estimation

Items NESC Condition Code Fiber Counts	Unit -	Loading Estimation		
		Light		
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	

