

## Fiber Optic Single mode Cable 12 Cores Indoor & Outdoor

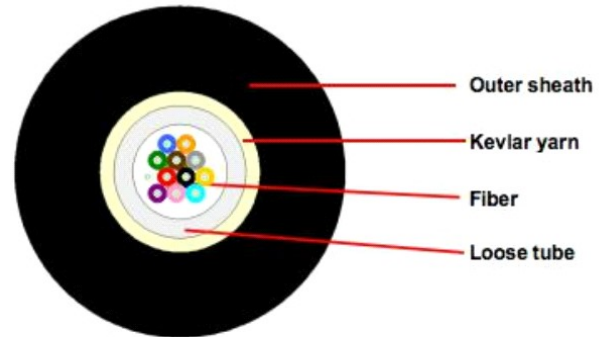








Broadstick provides fiber optic cable that exceeds the ANSI/TIA 568-D.2 Single mode.

The Broadstick provide high quality fiber cable for Data Centers, Telecom rooms, equipment distribution areas, etc. It provides a high quality fiber optic connection for different applications..

This dual purpose fiber allows good performance in indoor and outdoor environments.

This cable allows easy movements, installations and changes on the fiber optic networks.




NO.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
												

### Details

<b>Part Number</b>	<b>BSF-OSM12IO</b>	
<b>Number of fibers</b>	12 cores	
<b>Optical Fiber Type</b>	G652D, G657A	
<b>Strength Member</b>	Material	Kevlar yarn
<b>Loose Tube</b>	Material	PBT
	Diameter	1.8mm
<b>Loose Tube</b>	Material	LSZH
	Diameter	6.0mm

### Mechanical Characteristic

Min Bending Radius(mm)	Long term	10D
Min Bending Radius(mm)	Short term	20D
Tensile Strength(N)	Long term	100
Min allowable Tensile Strength(N)	Short term	300
Crush Load (N/100mm)	Long term	500
Crush Load (N/100mm)	Short term	1000
Operation temperature (°C)	-20+60	
Installation temperature (°C)	-10+40	

### Fiber characteristic

Characteristics	Conditions	Specified Values
Attenuation	1310	≤0.35 dB/KM
	1550	≤0.21 dB/KM
Attenuation vs. Wavelength Max. A difference	1285-1330nm	≤0.03 dB/KM
	1525-1575nm	≤0.02 dB/KM
Zero dispersion wavelength	1300-1324 nm	
Zero dispersion slope	≤0.092 ps/nm <sup>2</sup> .km	
PMD -		
Maximum Individual Fiber	≤0.2ps/km	
Link Design Value (M=20,Q=0.01%)	≤0.1ps/km	
Typical value	≤0.4ps/km	
Cable cutoff wavelength λ <sub>c</sub>	≤1260 nm	
Mode field diameter (MFD)	1310nm	8.8±0.4 nm
	1550nm	9.8±0.5 nm
Effective group index of refraction	1310nm	1.466
	1550nm	1.467
Point discontinuities	1310nm	≤0.05 dB
	1550nm	≤0.05 dB

### Geometrical Characteristics

Cladding diameter	124.8±0.7 um
Cladding non-circularity	≤0.7 %
Coating diameter	245±5 um
Coating-cladding concentricity error	≤12.0 um
Coating non-circularity	≤6.0 %
Core-cladding concentricity error	≤0.5 um
Curl (radius)	≥4 m