

Fiber Optic Cable Indoor Interconnection LSZH

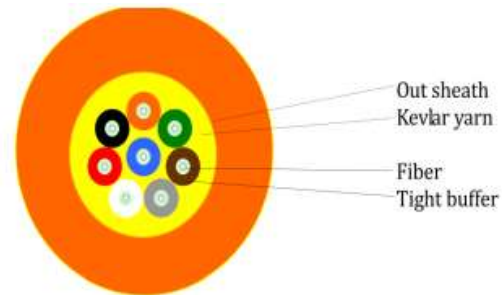


Broadstick provides fiber optic cable that exceeds the ANSI/TIA 568-C.2.

The Broadstick fiber cable provides a high quality connection for Data Centers telecom rooms, equipment distribution areas, desk, etc.

This cable allows easy movements, installations and changes.

The cable is provided with a LSZH jacket. The amount of required fibers can be customized as required.



 BROADSTICK

PART NUMBERS

Part Number	Description
BSF-OO406LZ	Fiber Optic Indoor Interconnection Cable LSZH 6 cores OM4
BSF-OO412LZ	Fiber Optic Indoor Interconnection Cable LSZH 12 cores OM4
BSF-OO424LZ	Fiber Optic Indoor Interconnection Cable LSZH 24 cores OM4
BSF-OO448LZ	Fiber Optic Indoor Interconnection Cable LSZH 48 cores OM4
BSF-OSM06LZ	Fiber Optic Indoor Interconnection Cable LSZH 6 cores Single Mode
BSF-OSM12LZ	Fiber Optic Indoor Interconnection Cable LSZH 12 cores Single Mode
BSF-OSM24LZ	Fiber Optic Indoor Interconnection Cable LSZH 24 cores Single Mode
BSF-OSM48LZ	Fiber Optic Indoor Interconnection Cable LSZH 48 cores Single Mode

Details

Operation temperature (°C)	-20+60
Installation temperature (°C)	-10+50

Fiber Colors

Standard Colour Identification						
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Slate	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

CABLE MECHANICAL CHARACTERITICS

Fiber style	Unit	SM G652D	MM 50/125
condition	nm	1310/1550	850/1300
attenuation	dB/km	≤0.36/0.23	≤3.0/1.0
Dispersion	1310nm	Ps/(nm*km) ≤18	.....
	1550nm	Ps/(nm*km) ≤22	.....
Bandwidth	850nm	MHZ. KM	≥400
	1300nm	MHZ. KM	≥800
Zero dispersion wavelength	nm	≥1302, ≤1322	.....
Zero dispersion slope	nm	≤0.091	.....
PMD Maximum Individual Fiber		≤0.2	.....
PMD Design Link Value	Ps(nm ² *km)	≤0.08	.....
Fiber cutoff wavelength λ _c	nm	≥1180,≤1330	.....
Cable cutoff wavelength λ _{cc}	nm	≤1260	.....
MFD	1310nm	um	9.2±0.4
	1550nm	um	10.4±0.8
Numerical Aperture(NA)		.....	0.200±0.015
Step(mean of bidirectional measurement)	dB	≤0.05	≤0.10
Irregularities over fiber length and point discontinuity	dB	≤0.05	≤0.10
Difference backscatter coefficient	dB/km	≤0.03	≤0.08
Attenuation uniformity	dB/km	≤0.01	.....
Core diameter	um	.....	50±1.0
Cladding diameter	um	125.0±0.1	125.0±0.1
Cladding non-circularity	%	≤1.0	≤1.0
Coating diameter	um	242±7	242±7
Coating/chaffinch concentricity error	um	≤12.0	≤12.0
Coating non circularity	%	≤6.0	≤6.0
Core/cladding concentricity error	um	≤0.6	≤1.5
Curl(radius)	um	≤4	.....

Technical Parameters:										
Cable Count	Outside Diameter	Tight buffer Diameter	Weight	Minimum allowable Tensile Strength (N)		minimum allowable Crush Load (N/100mm)		Minimum Bending Radius (MM)		Storage temperature
	(MM)	(MM)	(KG)	short term	long term	short term	long term	short term	long term	()
02	3.0	0.9	15.00	600	200	1000	200	20D	10D	-40+60
04	3.0	0.9	22.00	600	200	1000	200	20D	10D	-40+60
06	3.0	0.9	23.00	600	200	1000	200	20D	10D	-40+60
08	3.0	0.9	28.00	600	200	1000	200	20D	10D	-40+60
12	3.0	0.9	38.00	600	200	1000	200	20D	10D	-40+60
16	3.0	0.9	42.00	600	200	1000	200	20D	10D	-40+60
24	3.0	0.9	58.00	600	200	1000	200	20D	10D	-40+60
48	6.0	0.9	96.00	600	200	1000	200	20D	10D	-40+60