

Fiber Optic Cable Single Mode 48 Cores In/Out

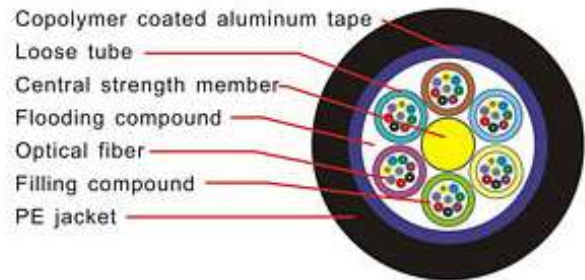


Broadstick provides fiber optic cable that exceeds the ANSI/TIA 568-C.2.

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.

This cable is used for duct or aerial applications, installations for long haul communication and LANs, especially suitable for the situation of high requirements of moisture resistance



Details

Part Number	BSF-OSM48GA	
Number of fiber	48 cores	
Optical fiber type	OS1/OS2 G652D fiber	
strength member	Material	Kevlar yarn
Outer sheath	material	LSZH/HDPE
	diameter	9.5±0.1mm

Operation temperature (°C)	-40 to +60
Installation temperature (°C)	-10 to +50

Fiber Colors



Cable Mechanical characteristic

Min Bending Radius(mm)	Long term	10D
Min BendingRadius(mm)	Short term	20D
Min allowable 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

Fiber characteristic

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