Outdoor Single Mode FTTH Drop Fiber Cable - 2 Cores

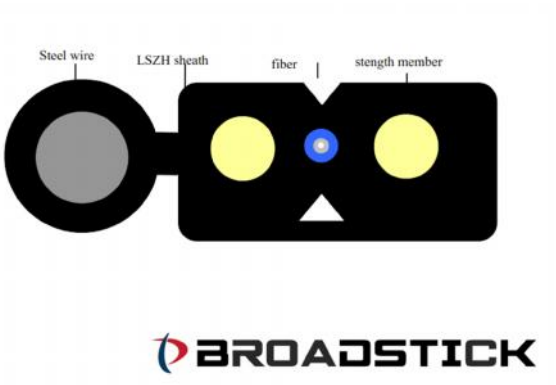
BSF-ODSMFC2

Broadstick provides high quality fiber optic cables compliant with TIA 568-C.3-1.

This Outdoor Single mode FTTH Drop Fiber Optic Cable provides a proper connection for FTTH networks, the operation is simple; the use is more convenient, greatly improving the working efficiency.

This cable offers good mechanical environmental characteristics and the Anti-UV characteristics meet the requirements of the FTTH standards.

Our fiber optic cables are factory tested complying with the requirements of the industry.



Specification:

Part Number	BSF-ODSMFC2
Number of Fiber	2 Cores
Fiber Type	G567A1
Strength Member Material	Steel Wire
Strength Member Diameter	2*(0.5-0.8)mm
Self Support Messenger material	Steel Wire
Self Support Messenger Diameter	1.0 mm
Outer sheath material	LSZH
Outer sheath Diameter	1.8mm
Cable Size with Steel Wire	2.0mm x 5.2 mm
Cable Size without Steel Wire	2.0mm x 3.0 mm

Our devices and factories have passed many quality system verifications, like CE, RoHS, FCC, that compliant with international quality standards that assure the production. We strictly implement the standardized management to control the design, production, and service.

Cable Mechanical Characteristic

Items		Description
Installation Temperature range		-20--+60℃
Operation and transport temperature		-40-+70℃
Min Bending Radius(mm)	Long term	15D
	short term	30D
Allowable Tensile Strength(N)	Long term	300
	short term	600

Fiber Mechanical Characteristic

Fiber style		Unit	SM G657A1
condition		nm	1310/1550
attenuation		dB/km	≤3.5/0.21
Dispersion	1310nm	Ps/(nm*km)	≤18
	1550nm	Ps/(nm*km)	≤22
Zero dispersion wavelength		nm	1312±10
Zero dispersion slope		ps/(nm²×Km)	≤0.090
PMD Maximum Individual Fiber		[ps/√km]	≤0.2
PMD Design Link Value		ps/(nm²×Km)	≤0.08
Fiber cutoff wavelength λc		nm	≧1180,≤1330
Cable cutoff wavelength λcc		nm	.....
MFD	1310nm	um	9.0±0.4
	1550nm	um	10.1±0.5
Step(mean of bidirectional measurement)		dB	≤0.05
Irregularities over fiber length and point discontinuity		dB	≤0.05
Difference backscatter coefficient		dB/km	≤0.03
Attenuation uniformity		dB/km	≤0.01
Cladding diameter		um	124.8±0.1
Cladding non-circularity		%	≤0.7
Coating diameter		um	242±7
Coating/chaffinch concentrically error		um	≤12.0

Coating non circularity		%	≤6.0
Core/cladding concentricity error		um	≤0.5
Curl(radius)		um	≥4
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Environmental Characteristics

G657A1 fiber Environmental Characteristics (1310nm, 1500nm, &1625nm)

Temperature dependence Induced attenuation at	-60℃ to +85℃	≤0.05	[db/Km]
Temperature-humidity cycling Induced attenuation at	-10℃ to +85℃, 98% RH	≤0.05	[db/Km]
Watersoak dependence Induced attenuation at	23℃ for 30 days	≤0.05	[db/Km]
Damp heat dependence Induced attenuation at	85℃ and 85% RH for 30 days	≤0.05	[db/Km]
Dry heat aging at	85℃	≤0.05	[db/Km]

Mechanical Specification

Proof test	off line	≧9.0	[N]
		≧1.0	[%]
		≧100	[kpsi]

Macro-bend induced attenuation

100 turns around a mandrel of 50 mm dimeter			[dB]
10 turns around a mandrel of 30 mm dimeter	1550nm	≤0.1	[dB]
10 turns around a mandrel of 30 mm dimeter	1625nm	≤0.3	[dB]
1 turn around a mandrel of 20 mm diameter	1550nm	≤0.1	[dB]
1 turn around a mandrel of 20 mm diameter	1625nm	≤0.5	[dB]
Coating strip force	typical average force	1.7	[N]
	peak force	≧1.3 ≤8.9	[N]
Daynamic stress corrosition susceptibility parameter nd(typical)		≧20	