



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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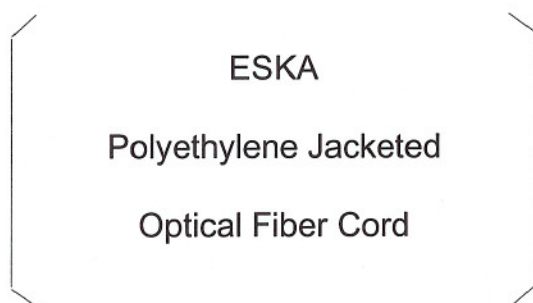
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Specification Sheet

BH-4001



High - Performance Plastic Optical Fiber

E s k aTM

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1.Scope

scope

This specification covers basic requirements for the structure, optical and mechanical performances of BH-4001 .

2.Structure

Table1

		BH-4001			
Item		Specification			
		Unit	Min.	Typ.	Max.
Optical Fiber	Core Material	—	Polymethyl - Methacrylate Resin		
	Cladding Material	—	Fluorinated Polymer		
	Core Refractive Index	—	1.49		
	Refractive Index Profile	—	Step Index		
	Numerical Aperture	—	0.58		
	Core Diameter	mm	920	980	1040
	Number of Core		1		
	Cladding Diameter	mm	940	1,000	1,060
Jacket	Material and Color	—	Cross-linked Polyethylene : Black		
	Diameter	mm	2.13	2.20	2.27
	Indication on the Jacket	—	None		
Approximate Weight		g / m	3.9		

Sectional View

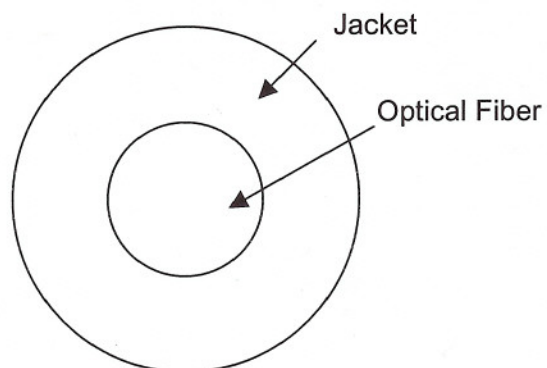


Table2

BH-4001

Item		Acceptance Criterion and / or [Test Condition]	Specification			
			Unit	Min.	Typ.	Max.
Maximum Rating	Storage Temperature	No Physical Deterioration [in a Dry Atmosphere]	°C	- 55	—	+ 105
	Operation Temperature	No Deterioration in Optical Properties* [in a Dry Atmosphere]	°C	- 55	—	+ 105
		No Deterioration in Optical Properties** [under 95 %RH condition]	°C	—	—	+ 85
Optical Properties	Transmission Loss (650 nm Collimated Light)	[25°C, 50%RH]	dB/km	—	—	200
		Operation Temperature	dB/km	—	—	250
Mechanical Characteristics	Minimum Bend Radius	Loss Increment =< 0.5 dB [A Quarter Bend]	mm	25	—	—
	Repeated Bending Endurance	Loss Increment =< 1 dB [in Conformity to the JIS C 6861]	Times	1,000	—	—
	Tensile Strength	[Tensile Force at 5% Elongation; in Conformity to the JIS C 6861]	N	70	—	—
	Twisting Endurance	Loss Increment =< 1 dB [Sample Length : 1 m Tensile Force : 4.9 N]	Times	5	—	—
	Impact Endurance	Loss Increment =< 1 dB [in Conformity to the JIS C 6861]	Nm	0.2	—	—

All tests are carried out under temperature of 25°C unless otherwise specified.

* Attenuation changes shall be within +-10 % of the specification (operation temperature) after 1,000 hours.
(According to our test method)

** Attenuation changes shall be within +-10 % of the specification (operation temperature) after 1,000 hours,
except that due to absorbed water . (According to our test method)