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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Specification Sheet

GHN 4001

ESKA PREMIER

POLYAMIDE JACKETED

OPTICAL FIBER CORD

High - Performance Plastic Optical Fiber

E s k a™

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1. Scope

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

2. Structure

Table 1

Item		GHN 4001			
		Specification			
		Unit	Min.	Typ.	Max.
Optical Fiber	Core Material	—	Polymetyl - Methacrylate Resin		
	Cladding Material	—	Fluorinated Polymer		
	Core Refractive Index	—	1.49		
	Refractive Index Profile	—	Step Index		
	Numerical Aperture	—	0.5		
	Core Diameter	μm	920	980	1,040
	Cladding Diameter	μm	940	1,000	1,060
Jacket	Material and Color	—	Polyamide 12 ; Black		
	Diameter	mm	2.13	2.20	2.27
	Indication on the Jacket	—	None		
Approximate Weight		g / m	4.5		

Sectional View

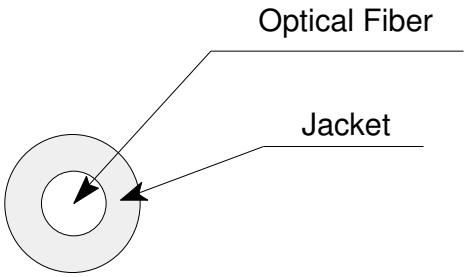

Table 2

GHN 4001

Item		Acceptance Criterion and / or [Test Condition]	Specification			
			Unit	Max.	Typ.	Min.
Maximum Rating	Storage Temperature	No Physical Deterioration	ºC	- 55	—	+ 85
	Operation Temperature	No Deterioration in Optical Properties*	ºC	- 55	—	+ 85
	Operation Temperature under 95 %RH	No Deterioration in Optical Properties**	ºC	—	—	+ 75
Optical Properties	Transmission Loss	[650 nm Collimated Light]	dB/km	—	—	170
	Transmission Loss under 95 %RH	[650 nm Collimated Light]	dB/km	—	—	190
Mechanical Characteristics	Minimum Bend Radius	Loss Increment ≤ 0.5 dB [Quarter bend]	mm	25	—	—
	Repeated Bending Endurance	Loss Increment ≤ 1 dB [in Conformity to the JIS C 6861]	Times	5,000	—	—
	Tensile Strength	[Tensile Force at 5% Elongation; in Conformity to the JIS C 6861]	N	70	—	—
	Crush Endurance	Loss Increment ≤ 1 dB [in Conformity to the JIS C 6861]	N/mm	-	—	—
	Impact Endurance	Loss Increment ≤ 1 dB [in Conformity to the JIS C 6861]	N•m	0.4	—	—
	Twisting Endurance	Loss Increment ≤ 1 dB [Sample Length : 1 m Tensile Force : 4.9 N]	Times	5	—	—

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

* Attenuation change shall be within ± 10 % after 1,000 hours.
** Attenuation change shall be within ± 10 % after 1,000 hours, expect that due to absorbed water.

The specificaton is subject to change without notice.
The information contained herein is presented as a guide for the product selection. Please contact our business department for the issue of an official specification sheet.