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Specification Sheet

GH 4001

ESKA PREMIER

Polyethylene Jacketed

Optical Fiber Cord

High - Performance Plastic Optical Fiber

Eska[™]

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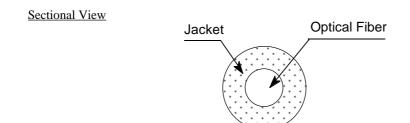
1.Scope

This specification covers basic requirements for the structure, optical and mechanical performances of $\,$ GH4001 $\,$.

2.Structure

Table1				GH 4001			
Item		Specification					
		Unit	N	Iin.	Тур.	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		1,040		
	Cladding Diameter	μm	ç	940	1,000	1,060	
Jacket	Material and Color	_	Polyethylene				
	Diameter	mm	2	.13	2.20	2.27	
	Indication on the Jacket	_	ESKA PREMIER ; Pink color				
Approximate Weight		g / m	4				

ESKA PREMIER :Pink color



3.Performance

Table2 GH 4001 Acceptance Criterion Specification Item and / or [Test Condition] Unit Min. Typ. Max. Storage No Physical Deterioration $^{\circ}C$ - 55 +85Temperature [in a Dry Atmosphere] No Deterioration Operation Maximum $^{\circ}C$ - 55 +85in Optical Properties* Temperature Rating [in a Dry Atmosphere] Operation Temperature No Deterioration $^{\circ}C$ +75in a Moist in Optical Properties** Atmosphere [under 95 %RH] dB/km Transmission Loss [650 nm Collimated Light] 170 Optical Properties Transmission Loss dB/km 190 650 nm Collimated Light] under 95 %RH Loss Increment =< 0.5 dBMinimum 25 mm Bend Radius [A Quarter Bend] Loss Increment =< 1 dB Repeated Bending [in Conformity to the Times 10,000 Endurance JIS C 6861 1 [Tensile Force at 5Åì Mechanical Ν 70 Tensile Strength Elongation; in Conformity Characteristics to the JIS C 6861] Loss Increment =< 1 dB [Sample Length: 1 m Twisting Endurance Times 5 Tensile Force: 4.9 N] Loss Increment =< 1 dB Impact Endurance [in Conformity to the N.m 0.4 JIS C 6861]

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

The specification 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.

^{*} Attenuation increase shall be within 10 % after 1,000 hours.

^{**} Attenuation increase shall be within 10 % after 1,000 hours, except that due to absorbed water .