No

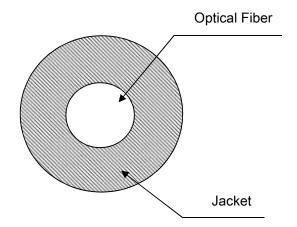
1. Scope

This specification covers basic requirements for the structure and optical performances of SH-4001.

2. Structure

Table 1				SH-4001		
Item		Specification				
		Unit	Min.	Тур.	Max.	
Optical Fiber	Core Material	_	Polymethyl-Methacrylate Resin			
	Cladding Material	_	Fluorinated Polymer			
	Core Refractive Index	_	1.49			
	Refractive Index Profile	_	Step Index			
	Numerical Aperture	_	0.5			
	Core Diameter	μm	920	980	1040	
	Cladding Diameter	μm	940	1,000	1,060	
Jacket	Material	_	Polyethylene			
	Color	_	Black			
	Diameter	mm	2.13	2.20	2.27	
Approximate Weight		g/m	4			
Indication on the Jacket		_	●●● 🙏 SUPER ESKA ●●● : Blue			

Sectional View



No

3. Performances

Table 2 SH-4001 Acceptance Criterion Specification and/or Item [Test Condition] Unit Min. Max. Typ. No Physical Deterioration Storage $^{\circ}$ C -55 +70 Temperature [in a Dry Atmosphere] No Deterioration Maximum $^{\circ}$ C in Optical Properties* -55 +70 Rating [in a Dry Atmosphere] Operation Temperature No Deterioration $^{\circ}$ C +60 in Optical Properties [under 95%RH condition] [25°C 50%RH] 190 dB/km Transmission Loss Optical [650nm **Properties** Collimated Light] [Operation Temperature] dB/km 210 Minimum Loss Increment ≤0.5dB 25 mm Bend Radius [A Quarter Bend] Loss Increment ≤1dB Repeated Bending [in Conformity to the 10,000 Times Endurance JIS C 6861]*** Tensile Force at 5% Elongation Mechanical [in Conformity to the JIS C 6861 Tensile Strength Ν 70 Characteristics Loss Increment ≦1dB Twisting Endurance [Sample Length : 1m Times 5 Tensile Force: 4.9N] Loss Increment ≦1dB Impact Endurance [in Conformity to the N· m 0.2 JIS C 6861]

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

The specifications is subject to change without notice.

The information contained herein is presented as quide for the product selection.

Please contact our business department for the issue of an official specification sheet.

^{*} Attenuation change shall be within +/- 10% after 1,000 hours.

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

^{***} Bend Angle +/-90°, Bend Radius 15mm, Tension 500g