No

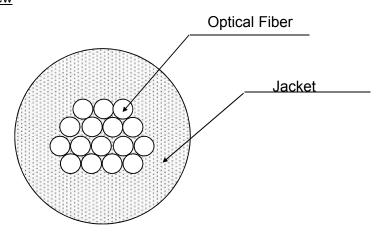
## 1. Scope

This specification covers basic requirements for the structure and optical performances of SH-1016-G.

## 2. Structure

Table 1			SH-1016-G		
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	231	255	279
	Cladding Diameter	μm	241	265	289
Number of Fibers		_	16		
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-1016-G Acceptance Criterion Specification and/or Item [ Test Condition ] Unit Min. Typ. Max. No Physical Deterioration Storage  $^{\circ}$ C -55 +70 Temperature [in a Dry Atmosphere] No Deterioration Maximum  $^{\circ}$ C -55 +70 in Optical Properties\* Rating [in a Dry Atmosphere] Operation Temperature No Deterioration  $^{\circ}$ C +60 in Optical Properties [under 95%RH condition] [25°C 50%RH] 650 dB/km Transmission Loss Optical [ 650nm **Properties** Collimated Light ] 700 [ Operation Temperature ] dB/km Minimum Loss Increment ≤0.5dB 5 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% Mechanical Tensile Strength Elongation; in Conformity Ν 70 Characteristics to the JIS C 6861 ] Loss Increment ≦1dB Twisting Endurance [ Sample Length : 1m Times 5 Tensile Force: 4.9N] Loss Increment ≦1dB Impact Endurance [ in Conformity to the N٠m

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

JIS C 6861]

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.

<sup>\*</sup> Attenuation change shall be within +/- 10% after 1,000 hours.

<sup>\*\*</sup> Attenuation change shall be within +/- 10% after 1,000 hours, except that due to absorbed water.

<sup>\*\*\*</sup> Bend Angle +/-90°, Bend Radius 15mm, Tension 500g