

Product Specifications

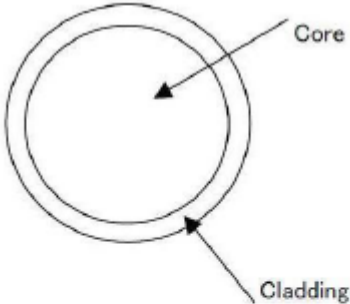
Product No: Part# FF-HSN.75

1. Scope

This specification covers basic requirements for the structure and optical performances of FF-HSN.75.

Side Emitting Fiber, 0.75 mm dia. Fiber, Exterior appearance clear, Cable flexible

2. Structure

<p>Product Data:</p> <table border="0"> <tr> <td>1. Fiber core material</td> <td>MMA Polymer</td> </tr> <tr> <td>2. Cladding material</td> <td>PTFE</td> </tr> <tr> <td>3. Minimum bending radius</td> <td>15mm</td> </tr> <tr> <td>4. Wavelength range</td> <td>400-700nm</td> </tr> <tr> <td>5. Interior Refractive Index</td> <td>1.475</td> </tr> <tr> <td>6. Exterior Refractive Index</td> <td>1.375</td> </tr> </table>	1. Fiber core material	MMA Polymer	2. Cladding material	PTFE	3. Minimum bending radius	15mm	4. Wavelength range	400-700nm	5. Interior Refractive Index	1.475	6. Exterior Refractive Index	1.375	
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Specifications:

Item		Unit	Index	Testing method
Structural Parameters	Core diameter	mm	0.735	JIS C 6863
	Cladding diameter	mm	0.75	
	Cladding non-circularity	%	≤6	
	Length	m/roll	2700	
Optical Properties	Attenuation	dB/km	≤450	650nm JIS C 6863
	Numerical Apertures	/	0.65	
	Attenuation (95% RH)	dB/km	300-350	
Mechanical Properties	Repeated bending (200times)	dB	Loss added ≤2	JIS C 6861
	Tensile strength	N	32	
	Twisting (5times)	dB	Loss added ≤2	
	Impacting (0.4N/meter)	dB	Loss added ≤2	

Operating temperature: -40°C to 70°C

Recommended Storage temperature: -10°C to 35°C