Product Specifications

Product No: Part# FF-HEB3.0/4.0

1. Scope

This specification covers basic requirements for the structure and optical performances of FF-HEB3.0/4.5.

End Emitting Fiber, 3.0mm dia. fiber with a 4.0mm dia. black PVC jacket

2. Structure

Product Data:			-	
 Fiber core material 	MMA Polymer			
2. Cladding material	PTFE			Jacket
3. Jacket material	Black PVC			
4. Minimum bending radius	6 x diameter		150	- CL 18
5. Wavelength range	400-700nm		-	Claddi
6. Interior Refractive Index	1.475			Fiber o
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Specifications:

Item		Unit	Index	Testing method	
Structural Parameters	Core diameter	mm	3	- JIS C 6863	
	Outer diameter	mm	4		
	Cladding non-circularity	%	≤6		
	Length	m/roll	100		
Optical Properties	Attenuation	dB/km	≤700		
	Numerical Apertures	1	0.68	650nm JIS C 6863	
	Attenuation (95% RH)	dB/km	300-350		
Mechanical Properties	Repeated bending (200times)	dB	Loss added ≤2	JIS C 6861	
	Tensile strength	N	70		
	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℃ to 35℃