

Product Specifications

Product No: Part# FF-HEB3.0/4.5

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 4.5mm dia. black PVC jacket

2. Structure

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

Specifications:

Item		Unit	Index	Testing method
Structural Parameters	Core diameter	mm	3	JIS C 6863
	Outer diameter	mm	4.5	
	Cladding non-circularity	%	≤6	
	Length	m/roll	100	
Optical Properties	Attenuation	dB/km	≤700	650nm JIS C 6863
	Numerical Apertures	/	0.68	
	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°C to 35°C