



## SPECIFICATION SHEET

### MINAR MF Series

#### Specifications:

Core Material: Polymethyl-Methacrylate Resin (Acrylic/PMMA)

Cladding Material: Fluorinated Polymeras

Diameter: 0.25mm~3.0mm

Spool Length: 6000m-150m

Bend Radius: Minimum 10 x fiber diameter

Core Refractive Index: 1.49

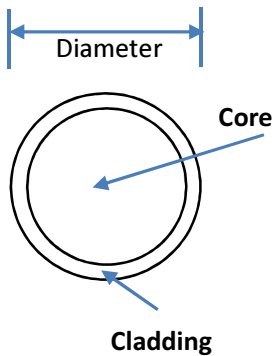
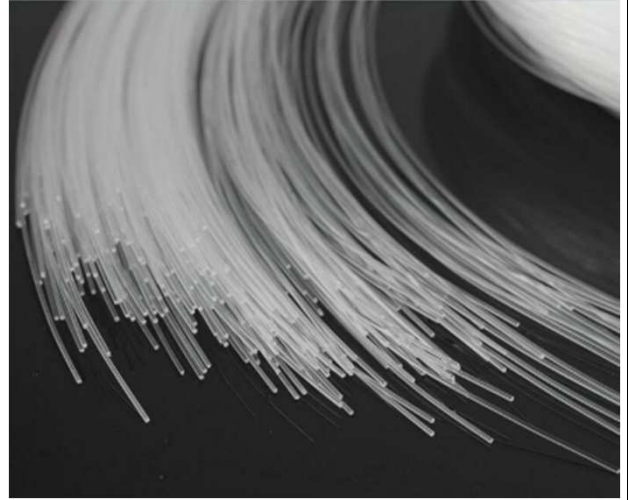
Refractive Index Profile: Step Index

Numeric Aperture: 0.50

Attenuation:  $\leq 0.3\text{dB/M}$

Operation Temperature:  $-55^{\circ}\text{C} - 70^{\circ}\text{C}$

Operating Temperature Range:  $-55^{\circ}\text{C} - 70^{\circ}\text{C}$



Ordering Code	Diameter (mm)	Spool Length (m)	Min. Bend Radius (mm)	Attenuation	Sheath
MF-25	0.25	12000	5	$\leq 0.3\text{dB/M}$	N/A
MF-50	0.5	6000	10		
MF-75	0.75	2700	15		
MF-100	1	1500	25		
MF-150	1.5	700	40		
MF-200	2	350	80		
MF-250	2.5	250	100		
MF-300	3	150	100		

#### OTHER INFORMATION:

1. The fiber strand itself does not emit light or contain any color. It transmits the light from light engine to the other end.
2. Mind the minimum bend radius.
3. During installation and use, special care should be taken to the strands not to touch any solid objects or to bear pressure to prevent scratching or crushing.
4. Foam spool is applied in the packaging.
5. Hot knife is recommended for cutting of a cluster of fiber tails.
6. The light engine, depending on its power consumption and aperture, is capable for different length and number of the fiber strands.



**MINAR ILLUMINATION ELECTRONIC LTD.**

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