



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

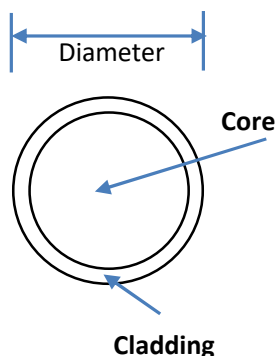
Refractive Index Profile: Step Index

Numeric Aperture: 0.50

Attenuation: $\leq 0.25\text{dB/M}$

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	$\leq 0.25\text{dB/M}$	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. A plastic spool is used in the packaging.
5. The hot knife is recommended for cutting of a cluster of fiber tails.
6. Depending on the power consumption and aperture of the fiber optic light engine, the length and number of fiber strands it can accommodate also vary.



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