

# Few-mode Fibre (FMF)

## Description

YOFC FMFs take advantage of PCVD process which is able to manufacture complex index-profile shapes accurately and optical waveguide structure flexibility to get various types of core layer structure, such like Step-Index, Graded-Index etc.

## Characteristics

- Characteristics Good optical indicator and geometric control
- Customized different waveguide structure products

## Application

- Mode division multiplexing(MDM)
- Communication
- Sensing
- Test

## Specifications

Geometrical Parameter	Index	Unit
Cladding Diameter	124.5 ± 1.0	µm
Cladding Non-circularity	≤ 0.7	%
Core/clad Concentricity Error	≤ 1.0	µm
Coating Diameter	242 ± 10	µm
Coat/clad Concentricity Error	≤ 12	µm
Warp Degrees (radius)	≥ 4	m
Delivery Length	2 ~ 25	km/reel
Mechanical Properties		
Proof Text (kpsi)	≥ 100	kpsi
	≥ 1.0	%
	≥ 9	N
nd	≥ 20	

\*Other parameters of FMF can be provided, such as dispersion , MFD, mode field diameter, attenuation, Core diameter etc.

\*Customized FMFs are available.