

LMA-25 Fiber Patch Cable – LMA-25-PC-APC

DESCRIPTION

This cabled large core photonic crystal fiber is optimized for diffraction limited high peak power delivery at wavelengths beyond 900 nm.

The fiber ends are collapsed/hermetically sealed providing beam expansion through the silica windows resulting in low end facet intensity. The hermetically sealed fiber ends are FC/PC and FC/APC connectorized and the fiber is protected in a polymer coated flexible steel tube.

ADVANTAGES

- High threshold power for nonlinear effects
- Low fiber attenuation
- Endlessly single-mode
- Pure silica fiber
- Mode field diameter independent of wavelength

APPLICATIONS

- Single-mode high power delivery
- Multi-wavelength transmission
- Mode filtering
- Single-mode pigtailing
- Short pulse delivery

SPECIFICATIONS

Length of PCF	5 ± 0.2 m
Connector type 1	FC/PC (0°)
Connector type 2	FC/APC (8°)
Ferrule hole size	280 µm
Ferrule type	Steel
Cable type	Steel-reinforced square-lock, 10 mm diameter
Cable coating type	PVC coated
Tension relief	Kevlar
Distance behind facet to holes (sealing length)	1500 ± 200 µm
Fiber specifications	See LMA-25 datasheet (attached)

