

Spectrometer Accessory Fiber Patch Cords - Mid-IR

The FPC-MIR series of Fiber Patch Cords are fiber optic cables terminated with SMA 905 connectors on both ends. These patch cords connect with ease to B&W Tek spectrometers, light sources and sampling accessories. These cables are made from a single strand MIR sapphire optical fiber which comes in two standard lengths with custom lengths available.

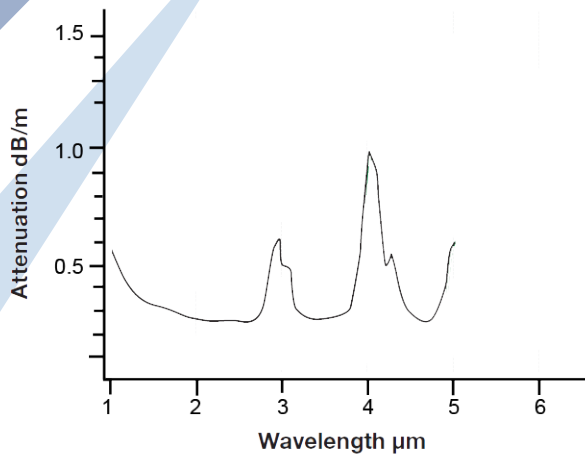


Highlights:

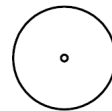
- Transmission 700nm to >2,600nm
- Multimode Step Index Fiber
- Excellent Concentricity
- Broad Temperature Range

Applications:

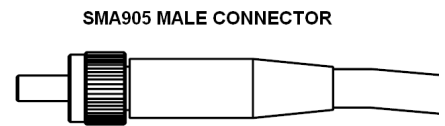
- General Spectroscopy
- Transmission
- Absorption
- Spectrophotometry



SMA 905 style connectors are most commonly used with multimode fibers, especially large core fibers. This connector is characterized by a 1/4-36 UNS-2B thread coupling mechanism and a cylindrical ferrule of 1/8 inch nominal diameter.



ONE 200 μm CORE FIBER
4:1 SCALE



SMA905 MALE CONNECTOR

Specifications:

Models	FPC-420-0.12-0.5-MIR FPC-420-0.12-1.0-MIR
Core Diameters (μm)	420
Spectral Range	700nm to >2600nm
Core Material	Sapphire
Connectors	SMA 905
Concentricity	± 3μm
Numerical Aperture (NA)	0.12 (± 0.02)
Overall Length	0.5m or 1.0m
Operating Temperature	up to +80°C (176°F)