

SCF-UN-8/125-14-PM

Polarization-maintaining single-clad passive fiber



This PM single-clad passive fiber has been designed to match Coractive's DCF-EY-10/128-PM. Its single cladding allows mode filtering to achieve effective quasi-single-mode operation. It is ideal for manufacturing passive components used in the design of fiber lasers and amplifiers.

Features & Benefits

- Low background losses
- Excellent geometrical properties
- Compatible with industry-standard active fibers

Applications

- Passive component manufacturing
- Telecom
- Fiber lasers and amplifiers

Related Products

- [DCF-EY-10/128](#)
Matched double-clad active fiber
- [DCF-EY-10/128-PM](#)
Matched double-clad PM active fiber

Specifications

Optical

Numerical Aperture - Core	0.14 ± 0.005
Background Loss @ 1550 nm (dB/m)	< 10
Cutoff Wavelength - Nominal (nm)	1425
Mode Field Diameter @ 1550 nm - Nominal (µm)	9.0
Birefringence	≥ 2.0E-04

Geometrical & Mechanical

Core Diameter (µm)	8 ± 1
Cladding Diameter (µm)	125 ± 2
Core/Cladding Concentricity Error (µm)	< 1.0
Coating Diameter (µm)	245 ± 10
Proof Test (kpsi)	≥ 100

Environmental

Operating Humidity (%)	5 - 85
Operating Temperature (C°)	0 - 70
Storage Humidity (%)	5 - 85
Storage Temperature (C°)	-40 - 85

ISO 9001:2015 certified quality system | RoHS and REACH compliant.
All specifications are subject to change without notice. Reference: 100-10-0901.R1