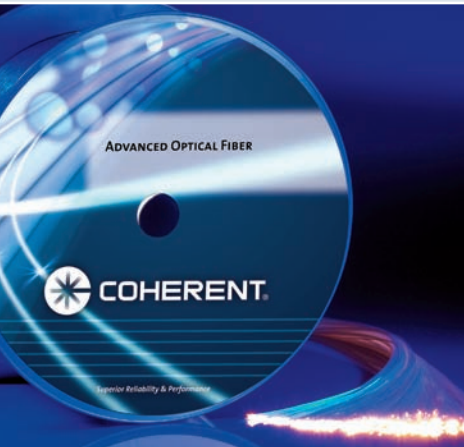




Bend Insensitive Single-Mode Fiber

BIF-780-L2 and BIF-RC-780-L2



Features

- Excellent geometric specifications
- Ideal for tight bend radius applications
- Superior coupling properties
- High strength
- Available in both 80 μm and 125 μm clad diameter

Applications

- Laser diode pigtailed
- Fused fiber couplers
- Component fiber for optical devices
- Interferometric sensors

Technical Specifications

Product Code	BIF-780-L2	BIF-RC-780-L2
Operating Wavelength (nm)		780 to 850
Cut-off Wavelength (nm)		670 to 770
Mode Field Diameter at 780 nm (μm)		3.5 to 4.5
Numerical Aperture (nominal)		0.16
Attenuation at 780 nm (dB/km)		≤ 5
Bend Loss at 780 nm (30 turns, 10 mm radius)(dB)		< 0.005
Cladding Diameter (μm)	125 ± 1	80 ± 1
Coating Diameter (μm)	245 ± 10	165 ± 5
Core-clad Concentricity (μm)		< 1.0
Proof Test Level (kpsi)		≥ 100
Coating Material	UV-cured dual acrylate	

Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice.

Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all bend insensitive single-mode fibers. For full details of this warranty coverage, please refer to the Service section at www.Coherent.com or contact your local Sales or Service Representative.



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