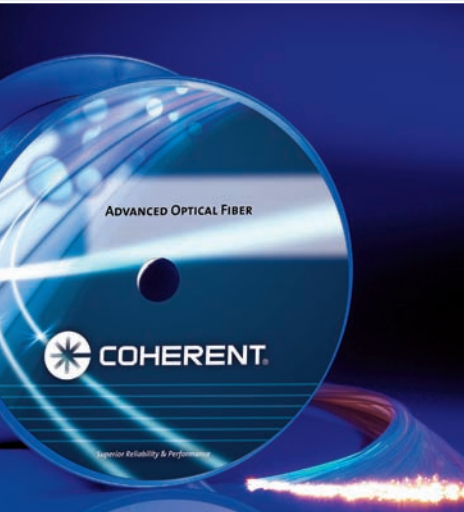




Bend Insensitive Fiber

BIF-1550-L2 and BIF-RC-1550-L2



Features

- Excellent geometric specifications
- Reduced bend loss sensitivity versus standard telecom fibers
- Good splicing performance
- High strength
- Available in both 80 μm and 125 μm clad diameter

Features

- Sensors
- Tight bend radius conditions
- Multiple fiber wraps on a mandrel
- Fused fiber couplers

Technical Specifications

Product Code	BIF-1550-L2	BIF-RC-1550-L2
Operating Wavelength (nm)		1550
Cut-off Wavelength (nm)		<1500
Mode Field Diameter at 1550 nm (μm)		6.3 to 7.5
Numerical Aperture (nominal)		0.16
Attenuation at 1550 nm (dB/km)		≤ 0.50
Bend Loss at 1550 nm (30 turns, 10 mm radius)(dB/m)		<0.005
Cladding Diameter (μm)	125 ± 1	80 ± 1
Coating Diameter (μm)	245 ± 10	165 ± 5
Core-clad Concentricity (μm)		<0.5
Proof Test Level (kpsi)		100
Coating Type		UV-cured 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 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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