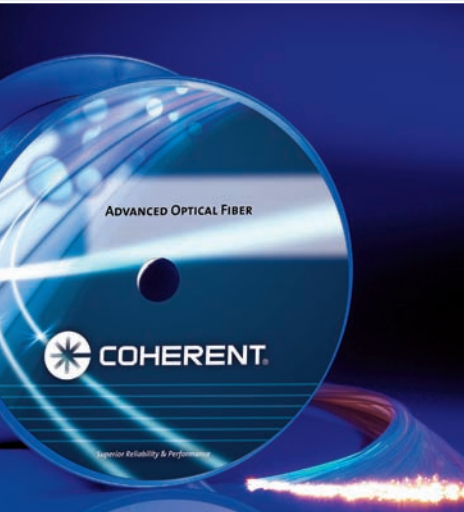# COHERENT®

Bend Insensitive Fiber

BIF-1310-L2 and BIF-RC-1310-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

- **Tight bend radius conditions**

- **Multiple fiber wraps on a mandrel**

- **Fused fiber couplers**

- **Sensors**

Technical Specifications

Product Code	BIF-1310-L2	BIF-RC-1310-L2
Operating Wavelength (nm)	1310 and 1550	
Cut-off Wavelength (nm)	<1290	
Mode Field Diameter at 1310 nm (μm)	5.5 to 6.5	
Mode Field Diameter at 1550 nm (μm)	6.3 to 7.5	
Numerical Aperture (nominal)	0.16	
Attenuation at 1310 nm (dB/km)	≤0.75	
Attenuation at 1550 nm (dB/km)	≤0.60	
Bend Loss at 1310 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	

Superior Reliability & Performance

Bend Insensitive Fiber
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