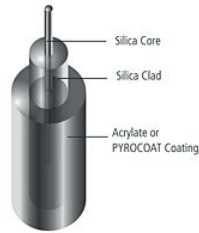


**Item # BF06158, CL 1550 17 Coupler Fibers**

Our full line of coupler fibers operating at 1550 nm includes a variety of coating options, NAs, and mode field diameters to optimize performance in different applications. The longer cutoff of these coupler fibers, as compared to standard transmission fiber, offers improved optical bend performance.



[Optical Properties](#) · [Dimensions/Geometric Properties](#) · [Coating/Buffer Descriptions](#) · [Mechanical and Testing Data](#) · [Ordering Information](#) · [Typical Applications](#) · [Options](#)

**Optical Properties**

Type	Single-mode
Operating Wavelength	1550 nm
Cutoff Wavelength	≤ 1500 nm
Mode Field Diameter	@ 1550 nm, 7.5 ± 0.75 μm
Attenuation	@ 1550 nm, ≤ 0.6 dB/km
Numerical Aperture (Nominal)	0.17

**Dimensions/Geometric Properties**

Core Diameter (Nominal)	6.5 μm
Clad Diameter	125 ± 2 μm
Coating/Buffer Diameter	245 ± 15 μm
Clad Non-Circularity	≤ 2.0%
Core/Clad Offset	≤ 0.75 μm

**Coating/Buffer Descriptions**

Coating Material	Dual UV Acrylate
Operating Temperature	-40 to +85 °C

**Mechanical and Testing Data**

Short-Term Bend Radius	≥ 10 mm
Long-Term Bend Radius	≥ 17 mm
Proof Test Level	≥ 100 kpsi 0.689 GPa

**Ordering Information**

Product Description Code	SMB-E1550B
Order From Location	AVON LOCATION (headquarters) 1.888.438.9936 toll-free in the United States and Canada 1.860.678.0371 for all other locations 55 Darling Drive Avon, CT 06001, USA <a href="mailto:info@SpecialtyPhotonics.com">info@SpecialtyPhotonics.com</a>
Order By Item #	BF06158

**Typical Applications**

Fiber Optic Strain, Pressure, and Acoustic Sensors  
 Fiber Payout  
 Medical Sensing and Imaging  
 WDM Devices

**Options**

Buffer Color  
Buffer Diameter  
Buffer Material  
Cabling  
Metalization  
Proof Test  
Termination