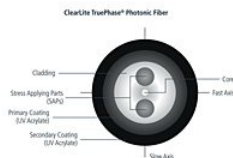


**Item # BF06734, CL TRUEPHASE 1550 400 Fibers**

TruePhase 1550 fibers designed to operate at 1550 nm, maintain linear polarization, and are available in standard and reduced buffer sizes. These fibers are made specifically for use with premium photonic devices such as phase-sensitive Lithium Niobate Modulators. Used as a source laser pigtail, TruePhase 1550 fibers preserve the coherence of emitted laser light. The 250 buffer size is recommended for PMD compensators, which use longer lengths of fiber.



[Optical Properties](#) · [Dimensions/Geometric Properties](#) · [Mechanical and Testing Data](#) · [Ordering Information](#) · [Applications For Any And/Or All Of These Products](#) · [Options](#)

**Optical Properties**

Type	Polarization-Maintaining
Operating Wavelength	1550 nm
Cutoff Wavelength	≤ 1470 nm
Mode Field Diameter	@ 1550 nm, 10.5 ± 1.0 μm
Attenuation	@ 1550 nm, ≤ 1 dB/km
Beat Length	@ 1550 nm, ≤ 4.5 mm
Crosstalk	@ 1550 nm/100 m, ≤ -30 dB
Crosstalk (Typical)	@ 1550 nm/100 m, ≤ -35 dB

**Dimensions/Geometric Properties**

Cladding Diameter	125 ± 1 μm
Coating Diameter	400 ± 15 μm
Coating Type	Dual UV Acrylate
Core/Clad Offset	≤ 0.7 μm
Clad Non-Circularity	≤ 2.0%

**Mechanical and Testing Data**

Operating Temperature	-40 to +85 °C
Proof Test Level	≥ 100 kpsi 0.689 GPa

**Ordering Information**

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 #	BF06734

**Applications For Any And/Or All Of These Products**

Laser Pigtails  
 Lithium Niobate and Other External Modulators  
 Other Polarization-Sensitive Components  
 PMD Compensators  
 Polarizing Beam Splitters

**Options**

Cabling  
 Coating Material and Dimensions  
 Metalization  
 Optical Properties  
 Proof Test