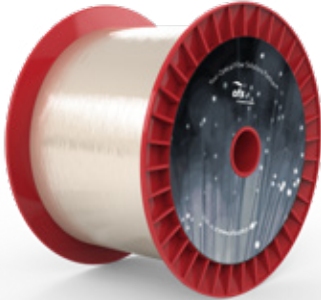


ClearLite® 980 16 Optical Fiber

P/N: BF05635-02



Overview

These optical fibers operate primarily at the 980 nm wavelength (but are also suitable for use at 1550 nm) and vary by numerical aperture. A reduced-diameter version is available for applications where size is critical. Tight geometrical tolerances are maintained for low lot-to-lot variability and low splice loss. The high proof test level helps ensure extended lifetime in high-stress and submarine applications.

Typical Applications

EDFAs

Laser Diode Pigtails

Submarine Applications

WDM Pump/Signal Couplers



A Furukawa Company

ClearLite® 980 16 Optical Fiber

P/N: BF05635-02

| Product Specifications | |
|--|--------------------------------|
| Product Description | ClearLite 980 16 Optical Fiber |
| Physical Characteristics | |
| Coating Material | Dual UV Acrylate |
| Core Diameter (Nominal) | 4.4 µm |
| Cladding Diameter | 125 ± 1 µm |
| Coating/Buffer Diameter | 245 ± 15 µm |
| Clad Non-Circularity | ≤ 2.0% |
| Core/Clad Offset | ≤ 0.3 µm |
| Optical Characteristics | |
| Type | Single-Mode |
| Operating Wavelength | 980 nm and 1550 nm |
| Cutoff Wavelength | ≤ 960 nm |
| Mode Field Diameter @ 1550 nm | 7.5 ± 0.75 µm |
| Mode Field Diameter @ 980 nm | 5.0 ± 0.3 µm |
| Attenuation @ 1550 nm | ≤ 0.5 dB/km |
| Attenuation @ 980 nm | ≤ 3 dB/km |
| Numerical Aperture (Nominal) | 0.16 |
| Mechanical and Environmental | |
| Operating Temperature | -40 to +85 °C |
| Short-Term Bend Radius | ≥ 5 mm |
| Long-Term Bend Radius | ≥ 9 mm |
| Proof Test Level | ≥ 200 kpsi (1.38 GPa) |
| Order by Part Number | BF05635-02 |
| Product Description Code | SMB-D0980B |
| OPTIONS: Buffer Color, Buffer Material, Buffer Size, Cutoff Wavelength, Metalization, Proof Test, Termination | |

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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