

# 0.48 NA, Hard Polymer Clad, Step-Index Multimode Fiber

- Broad UV, VIS, and NIR Spectral Range
  - High OH: 300 - 1200 nm
  - Low OH: 400 - 2200 nm
- Reduced Static Fatigue, Lower Microbend Losses
- USP Class VI for Non-Toxicity and Biocompatibility
- Sterilizable by ETO and Other Methods

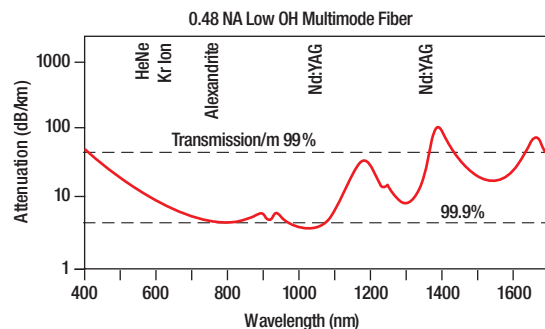
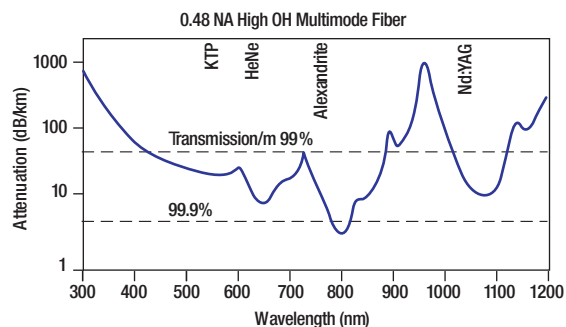
Our 0.48 NA hard-polymer clad fibers offer high numerical apertures to suit a broad range of applications from remote illumination to photodynamic therapy. This high-quality fiber offers easy termination with no pistoning effect and is an alternative to silica/silica fiber.



## Specifications

- **Step-Index Profile**
- **Core:** Pure Silica
- **Cladding:** Hard-Polymer Cladding
- **Coating:** Tefzel
- **Numerical Aperture (NA):** 0.48 ± 0.02
- **Standard Proof Test:** 70 kpsi
- **Minimum Bend Radius:**
  - 100X Clad Radius (Momentary)
  - 300X Clad Radius (Long-Term)
- **Operating Temperature, Tefzel Coating:** -40 to 150 °C

## High-Power SMA Patch Cable



### UV-to-Visible Transmission (High OH)

ITEM #	CORE DIAMETER	CLADDING DIAMETER	COATING DIAMETER	STRIPPING TOOL
BFH48-200	200 μm ± 2%	230 μm ± 2%	500 μm ± 5%	T12S21
BFH48-400	400 μm ± 2%	430 μm ± 2%	730 μm ± 5%	T21S31
BFH48-600	600 μm ± 2%	630 μm ± 2%	1040 μm ± 5%	T28S46
BFH48-1000	1000 μm ± 2%	1035 μm ± 2%	1400 μm ± 5%	M44S63

### Visible-to-NIR Transmission (Low OH)

ITEM #	CORE DIAMETER	CLADDING DIAMETER	COATING DIAMETER	STRIPPING TOOL
BFL48-200	200 μm ± 2%	230 μm ± 2%	500 μm ± 5%	T12S21
BFL48-400	400 μm ± 2%	430 μm ± 2%	730 μm ± 5%	T21S31
BFL48-600	600 μm ± 2%	630 μm ± 2%	1040 μm ± 5%	T28S46
BFL48-1000	1000 μm ± 2%	1035 μm ± 2%	1400 μm ± 5%	M44S63

ITEM#*	\$ 1-9 m	\$ 10-49 m	\$ 50-249 m	£ 1-9 m	£ 10-49 m	£ 50-249 m	€ 1-9 m	€ 10-49 m	€ 50-249 m	RMB 1-9 m	RMB 10-49 m	RMB 50-249 m
BFH48-200	\$ 1.80	\$ 1.55	\$ 1.25	£ 1.25	£ 1.05	£ 0.85	€ 1,60	€ 1,40	€ 1,10	¥ 15.20	¥ 13.10	¥ 10.60
BFH48-400	\$ 3.80	\$ 3.25	\$ 2.65	£ 2.60	£ 2.25	£ 1.85	€ 3,40	€ 2,90	€ 2,35	¥ 32.10	¥ 27.50	¥ 22.40
BFH48-600	\$ 8.30	\$ 7.05	\$ 5.80	£ 5.75	£ 4.85	£ 4.00	€ 7,40	€ 6,25	€ 5,15	¥ 70.10	¥ 59.60	¥ 49.00
BFH48-1000	\$ 26.10	\$ 22.20	\$ 18.25	£ 18.00	£ 15.30	£ 12.60	€ 23,25	€ 19,75	€ 16,25	¥ 220.30	¥ 187.40	¥ 154.10
BFL48-200	\$ 2.00	\$ 1.60	\$ 1.40	£ 1.40	£ 1.10	£ 0.95	€ 1,80	€ 1,40	€ 1,25	¥ 16.90	¥ 13.60	¥ 11.90
BFL48-400	\$ 5.60	\$ 4.50	\$ 3.90	£ 3.85	£ 3.10	£ 2.70	€ 5,00	€ 4,00	€ 3,45	¥ 47.30	¥ 38.00	¥ 33.00
BFL48-600	\$ 10.80	\$ 8.65	\$ 7.55	£ 7.45	£ 5.95	£ 5.20	€ 9,60	€ 7,70	€ 6,70	¥ 91.20	¥ 73.10	¥ 63.80
BFL48-1000	\$ 29.10	\$ 23.30	\$ 20.35	£ 20.10	£ 16.10	£ 14.05	€ 25,90	€ 20,75	€ 18,10	¥ 245.70	¥ 196.70	¥ 171.80

\*Call for Quantities Over 250 m