



High Power Optical Fibers for Laser Hair Removal

Fiber Optic Cable for Laser Hair Removal

Upgrade your laser hair removal systems with our High Power Fiber-Optic Cables! Designed for near-infrared lasers (700–1063 nm), they feature large, double-clad fibers (1000–1500 μm) that deliver exceptional brightness and beam quality. Our innovative design boosts output power while extending cable life. Precision manufacturing by art photonics guarantees perfect fiber alignment and a flawless fiber end - minimizing burn risks and malfunctions for enhanced safety and performance. Compatible with a variety of hair removal laser systems, these cables are your key to efficient, secure treatments.

Applications:

- ☐ Cosmetic Laser Hair Removal
- ☐ Medical Dermatology
- ☐ Procedures Aesthetic Skin Treatments
- ☐ Permanent Hair Reduction in Clinical Settings

Specification of High Power Silica Fiber Cables

Cable type	NIR1000-D80	NIR1200-D80	NIR1500-D80
Core	1000 $\mu\text{m} \pm 2\%$	1200 $\mu\text{m} \pm 2\%$	1500 $\mu\text{m} \pm 2\%$
Primary cladding	1100 $\mu\text{m} \pm 2\%$	1320 $\mu\text{m} \pm 2\%$	1650 $\mu\text{m} \pm 2\%$
Secondary cladding	1180 $\mu\text{m} \pm 3\%$	1400 $\mu\text{m} \pm 3\%$	1840 $\mu\text{m} \pm 3\%$
Protective coating	1400 $\mu\text{m} \pm 5\%$	1600 $\mu\text{m} \pm 5\%$	2000 $\mu\text{m} \pm 5\%$
Numerical aperture (NA)	0.22 \pm 0.02	0.22 \pm 0.02	0.22 \pm 0.02
Spectral range	400 - 2400nm		
Connectors	D80 Compatible		
Ferrule material	Copper-Alloy		
Fiber Centricity in the Ferrule	<10 μm		
Cable length	Up to 5m		
Protective tubing	PVC Coated Square-Lock Stainless Steel Conduit		