

Fiber Optic Cable for Laser Hair Removal



Precise light guidance

For lasers in the near-infrared range (700 - 1063 nm)

Large core diameter fibers



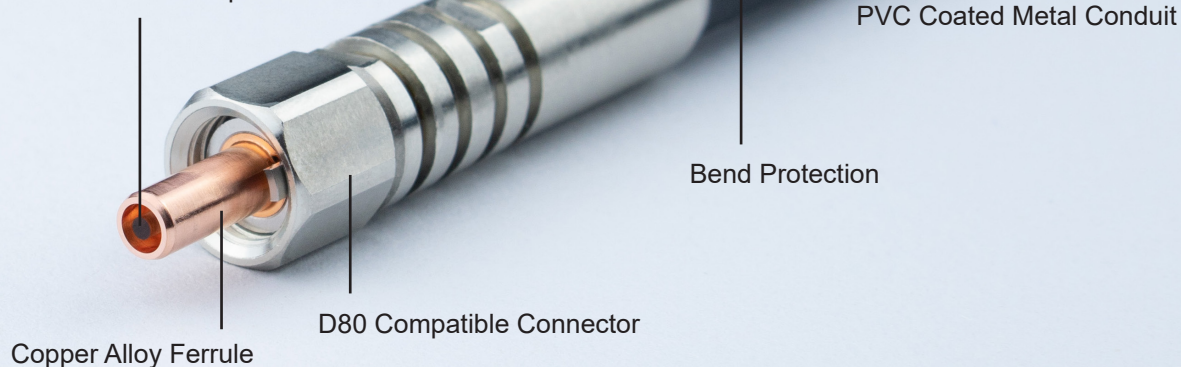
FlexiRay®

Our advanced Fiber-Optic Cables are tailored for Hair Removal Equipment, using near-infrared lasers (700 - 1063 nm). They feature large core diameter (1000 - 1500 μm) double-clad fibers ensuring laser power delivery with high brightness and beam quality. Use of double-clad fibers increases output power as well as sufficiently prolongs cable's service life. Manufacturing technologies of art photonics assure precise fiber position inside the connector and a perfect surface quality of the fiber end. This prevents burn and malfunction, enhancing safety and performance. Compatible with various hair removal lasers, these cables are key for efficient, safe laser procedures.

Applications:

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

Free Standing Optical Fiber
Core Diameters 1000 - 1500µm



Specification of Fiber Cables for Hair Removal

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



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