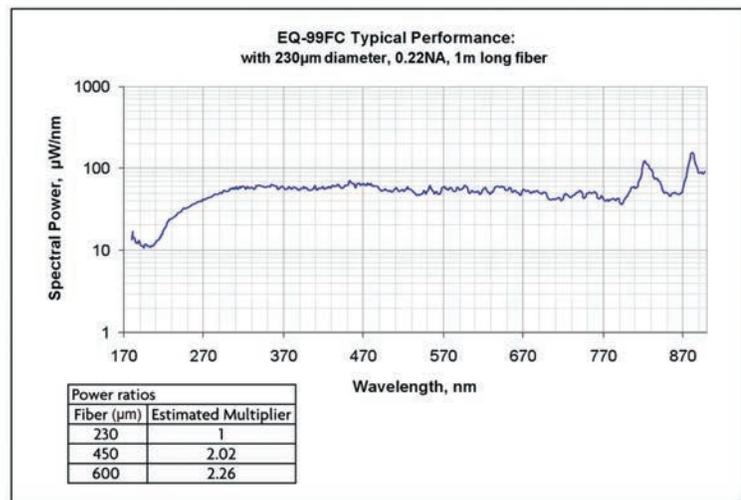


Fiber Optic Cable Assemblies for LDLS™ Laser-Driven Light Source

Energetiq Technology offers specially designed UV-Vis fiber optic cable assemblies for the Laser-Driven Light Source (LDLS™) products. These multi-mode, single-strand optical cables provide high transmission in the deep UV (180 nm) through the visible, with resistance to UV degradation.

The premium grade solarization-resistant fibers are available in 115 μm, 230 μm, and 450 μm core diameter sizes. The pure silica core and fluoride-doped silica cladding provide the highest transmission with the least solarization of any optical fiber material available.

The Standard SMA 905 connector design includes proprietary technology that enables high damage threshold, better transmission, and longer life of the demanding requirements of the high brightness Energetiq LDLS products. The SMA fiber connectors are accurately polished to work with the EQ-99FC and other LDLS products.



EQ-99FC Spectral Power with 230 μm Core Fiber Cable Assembly

Features & Benefits

- High transmission from 180 nm – 900 nm
- Solarization resistant
- 115 μm, 230 μm, and 450 μm core sizes available
- 1 meter and 2 meter cable lengths available
- High damage threshold
- Combined with the EQ-99FC, the cables provide a turn-key system for demanding, high brightness applications

Specifications

Connectors: SMA 905 to SMA 905 connectors with proprietary termination design

Type: Premium grade, solarization-resistant fiber optic cable assemblies

Fiber: Step-Index, Multimode

Wavelength Range: 180 nm – 900 nm

Numerical Aperture: 0.22 ± 0.02

Assembly Jacket: Stainless steel armor with 3.25 mm outer diameter

Operating Temperature: -50°C to 80°C



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Specifications are subject to change without notice.
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