

Multimode Patch Cables: SMA to SMA Solarization-Resistant

These patch cables are similar to our other multimode SMA to SMA patch cables but incorporate solarization-resistant fiber. Solarization refers to the formation of color centers within a fiber that lead to transmission degradation. These color centers form when exposed to light below 300 nm.

Solarization-Resistant fibers are thus desirable when working in the UV due to their superior transmission and prolonged performance. Typical applications for these fibers are spectroscopy, UV photolithography, and medical diagnostics. Please see page 1056 for more information on our solarization-resistant fibers.

NEW
products

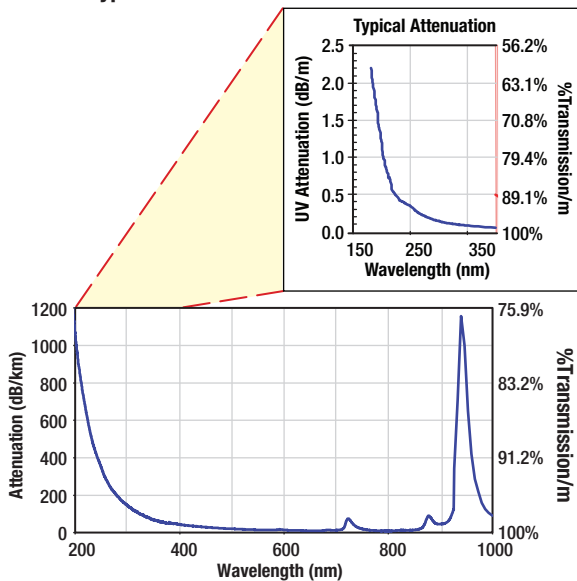


M19L01

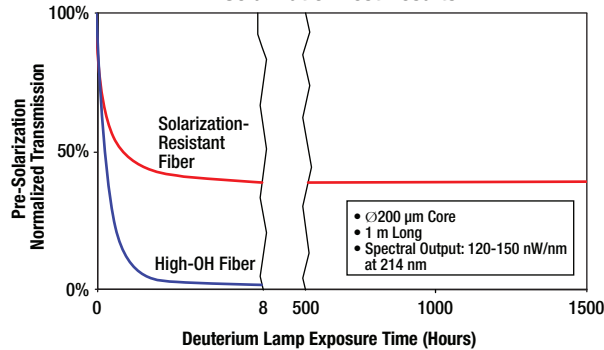
Features

- UV Radiation Resistant Fibers
- Shipped from Stock
- SMA 905 Connectors on Both Ends
- Ø3 mm Orange Reinforced Outer Jacket
- Custom Cables Available with Same-Day Turnaround

Typical Attenuation Plot for UM22 Fibers*



Solarization Test Results



High-OH Fiber experiences significant transmission loss when exposed to UV radiation. In contrast, solarization-resistant fiber offers higher transmission. For optimal performance, expose the fiber to UV radiation for 5 minutes prior to use in your application to allow initial degradation. After this time, equilibrium is reached and the fiber can be used normally.

ITEM #	CORE	NA	LENGTH	\$	£	€	RMB	STBR ^a	LTBR ^b	FIBER	JACKET ^c
M19L01	Ø200 µm	0.22	1 m	\$ 131.35	£ 94.57	€ 114.27	¥ 1,046.86	22 mm	66 mm	UM22-200 (Page 1056)	FT030
M19L02			2 m	\$ 140.35	£ 101.05	€ 122.10	¥ 1,118.59				
M22L01	Ø400 µm	0.22	1 m	\$ 166.10	£ 119.59	€ 144.51	¥ 1,323.82	44 mm	132 mm	UM22-400 (Page 1056)	FT030
M22L02			2 m	\$ 175.10	£ 126.07	€ 152.34	¥ 1,395.55				

^aShort-Term Bend Radius

^bLong-Term Bend Radius

^cSee Page 1151

Have you seen our...

Solarization-Resistant Bare Multimode Fiber



UM22-200

- ◆ Broad UV/NIR Spectral Range: 180 to 1150 nm
- ◆ Numerical Aperture: 0.22 ± 0.02
- ◆ Core Diameter Range: 100 to 600 µm
- ◆ Pure Silica Core, Doped-Silica Cladding, Polyimide Buffer

Our 0.22 NA solarization-resistant, multimode fiber exhibits impressive performance and transmission from the UV to the NIR (180 to 1150 nm). With exceptional UV radiation resistance compared to standard fibers, these multimode fibers are ideal for use in applications such as spectroscopy, UV photolithography, and medical diagnostics.

These fibers are used in our SMA-to-SMA Solarization-Resistant patch cables.

For more details, see page 1056