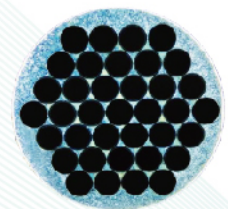
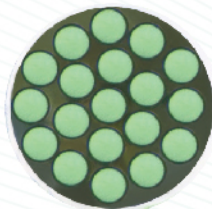




Fiber Bundles Patchcord

Everfoton fiber patchcord is made of high OH fiber, which has lower losses and higher reliability below 650nm. Adopting inorganic adhesive and flame-retardant sheath, the product is optimized for wavelengths below 650nm through various aspects such as fiber diameter, NA, transmission efficiency, connector packaging, end face polishing, and cleaning. Overall, the product has the characteristics of stable power and high reliability. Low OH optical fibers can also be used for special applications.

The connectors, fiber core numbers, and arrangement of the bundle and branch ends can be flexibly selected according to actual needs. The product is suitable for industrial laser projection, UV printing, 3D printing, laser lighting and other application scenarios.



Characteristics

- Multi fiber integrated, 2-200 cores
- Flexible customization of fiber optic arrangement
- Optional connector
- Overall optimization of bands below 650nm

Applications

- Industrial laser projection
- UV printing
- Laser illumination
- Spectral analysis
- 3D printing
- Endovascular medicine

Specifications

Performance	Parameter	Remarks
Specifications	UV40/125, UV105/125, UV200/220, SI 400/420 , etc.	customizable
Connector type	SMA905, FC, etc.	customizable
Number of fibers	3 cores, 7 cores, 19 cores, 76 cores, 104 cores, 208 cores, etc.	customizable
Length	0.3m~10m	customizable
Fiber arrangement	Single row, circular, square, hexagonal, etc	customizable
Operating wavelength	355~650nm	customizable
Power	208fibers, single power 1W@405nm(UV 105/125 fiber for example) 76 fibers, single power 15W@450nm(SI 400/420 fiber for example)	customizable
Power consistency	≥95%@405nm(3.5m)	customizable
Cluster end face cleanliness	<2µm dirt number≤5(UV 105/125 fiber、 208fibers for example)	-
collimation	Divergence angle 13.4±3°	-
Flame retardant level	UL94 VO	-
Damage threshold	22.4J/cm ² @1064nm(10.4ns, 1Hz)	-