

High Power Laser Cables

Fiber optic cables for high-power fiber laser transmission

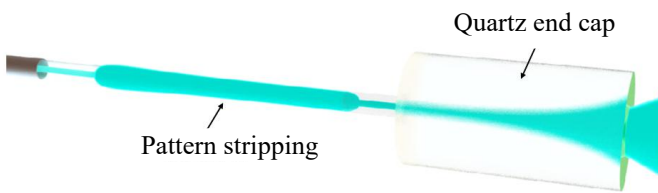
Quartz block head (QBH) is an industry standard high power laser transmission interface based on cladding optical stripping technology and quartz end cap fusion bonding technology. Its compact design, efficient internal water cooling and high quality AR coating allow for high laser power and low transmission loss while providing safety interlocks. quartz end cap.

For low power devices and applications, the non water-cooled (RQB) is available. Customized processing is available upon request.



Applications

- Slicing
- Surface treatment
- Weld
- Laser cladding
- Additive manufacturin



Virtual image of quartz end cap and pattern stripping

CASTECH's products are produced independently throughout the entire process and can be customized according to customer needs. Refer to the following list for standard products.

Model Number: ULC-t-a-w-p-l-h

Type (t)	Fiber Type (a)	Wavelength (w)	Max. Optical Power (p)	Fiber Length (l)	Housing (h)
S (Screw type)	GDF25/250	1064 nm	500 W	10 m	A01
P (Plug-in type)	GDF50/400	1080 nm	1000 W	15 m	A99
F (Flange type)	GDF100/400	...	2000 W	25 m	B01
...

Typical Specifications

Wavelength	Fiber Type	Max. Optical Power	Transmission	Spot Circularity	Max. Water Pressure
1080 nm	GDF50/400	2000 W	99 %	95 %	6 bar

Housing dimensions(mm):

