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QBH Fiber Optic Cable

In the industry of high-power fiber lasers the conical QB interface, designed by Optoskand, is established and a well-proven standard. With a compact connector design and efficient water cooling the QBH fiber can handle power levels of up to 10 kW. Plug and play within 10 μ m.

Features

- [Quartz block \(/technology/basic-fiber-technology/\)](/technology/basic-fiber-technology/)
- [Mode stripper \(/technology/basic-fiber-technology/\)](/technology/basic-fiber-technology/)
- Water-cooled connectors
- Safety interlock
- [Square formed \(/products/fiber-optic-cables/square-formed-fibers/\)](/products/fiber-optic-cables/square-formed-fibers/) optical fiber available
- Pigtail fibers available

Tech Spec

Wavelength	1030-1090 nm, 780-1100 nm, 510-550 nm, 430-480 nm
Fiber core dimension	SM-1000 μ m
Length	5-200 m
Numerical aperture	0.20
Max Power (CW) <i>@1064nm</i>	10 kW
Max Peak power <i>@1064nm</i>	10 kW at 10 ms pulse length 50 kW at 1 ms pulse length 1 MW at 50 ns pulse length
Transmission losses	< 3%, (typical 1%)
Power loss capability <i>in the connector</i>	2 kW for 10 s 1 kW for 10 min 0.5 kW continuously
Compatible interface	Trumpf LLK-Q, IPG HLC-8/LC-8

[For more information – ask for the manual! \(mailto:mats.wedell@coherent.com\)](mailto:mats.wedell@coherent.com)



The well-proven QBH Fiber Optic Cable

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