

Air-cooled QBH FIBER OPTIC CABLE

Features

- High OH optical fiber
- Mode-stripper
- AR-coated end cap
- Superior power loss handling

Application

- Welding
- Cutting
- Surface Treatment
- Cladding
- 3D Additive Manufacturing

The QBH fiber optic cable is the leading fiber interface for industrial high-power lasers. As a well-proven and widely adopted standard, it is compatible with most equipment available worldwide.

The QBH fiber connector adopts air cooling design, which effectively improves heat dissipation efficiency, enhances stability under high-power operation, and extends service life. Its built-in mode stripper generates a well-defined beam free of cladding power.

Featuring a reinforced and highly durable fiber hose, the QBH cable is particularly well-suited for dynamic robot applications.

Performance

| Parameters | Unit | Value |
|--------------------------------|------|-----------------------|
| Center Wavelength | nm | 1064, 1080 or Specify |
| Operating Wavelength Range | nm | ±20 |
| Typ. Transmission Ratio | - | 99% |
| Min. Transmission Ratio | - | 98% |
| Max. Handling Power (CW) | W | 100, 200 or Specify |
| Nominal Beam Pointing Accuracy | deg | ≤1 |
| Min. Beam Ellipticity | - | 0.92 |
| Max. Tensile Load | N | 5 |
| Outer Package Material | - | Aluminum / Copper |
| Operating Temperature | °C | 10~+50 |
| Storage Temperature | °C | -40~+85 |

Ordering Information AQBH-

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|-------------------|--|
| ① Wavelength | 1064; 1080; S=Specify |
| ② Connector Type | N=None; FC=FC/APC; S=Specify |
| ③ Handling Power: | 050=50W; 100=100W; S=Specify |
| ④ Fiber Type: | 01=Nufern GDF-20/400-M NA0.065 02=Nufern LMA-GDF-30/250-M NA0.06 03=Liekki Passive DCF-30/250 NA0.07 04=Liekki Passive-14/250DC,NA0.07 S=Specify |
| ⑤ Fiber Length: | 05=5m 8mm Armoured Cable; S=Specify |