



Fiber Optical Cable-Type Q8 (Indirect water cooling)

Features

- High Handling Power
- Water Cooling System & Compatible Design
- Cladding Mode Stripper Integrated
- Interlock System Integrated
- Excellent Environmental Stability and Reliability

Applications

- Fiber Lasers
- Research & Design
- Laser Cutting
- Laser Cleaning
- Laser Welding

Specifications

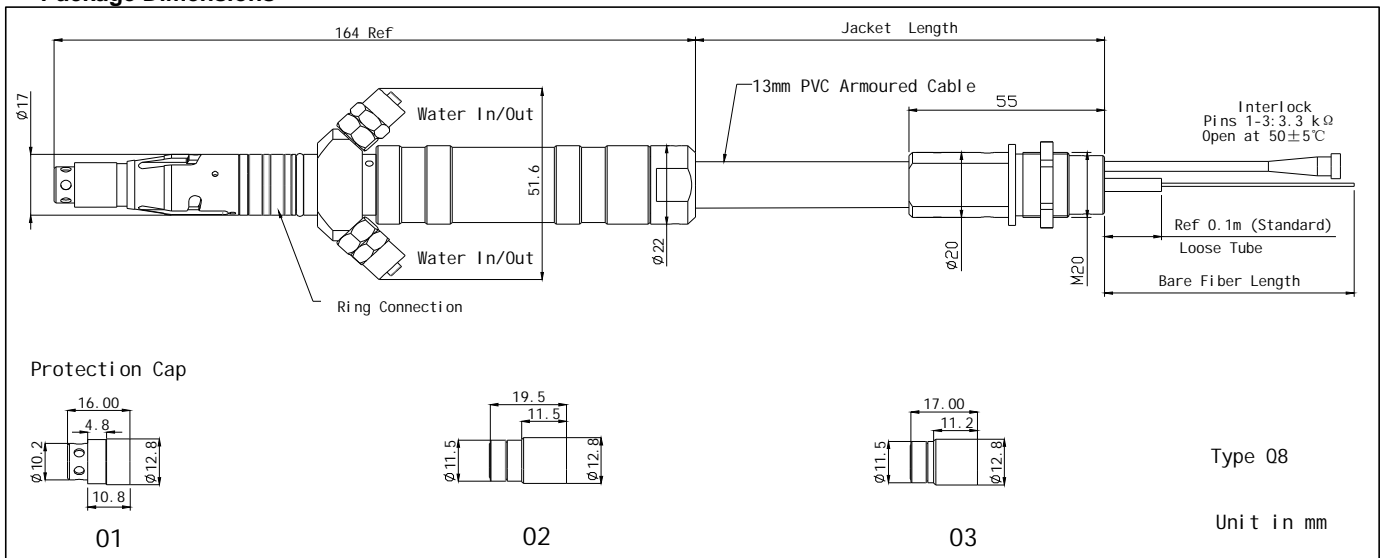
| Parameters | Unit | Values |
|--------------------------------|-------|---|
| Operating Wavelength | nm | 900~1000 (Nominal Center Wavelength 950nm) 1030~1090 (Nominal Center Wavelength 1064 nm) |
| Typ. Transmission Ratio | - | 99% |
| Min. Transmission Ratio | - | 98% |
| Max. Handling Power (CW) | W | 1000, 2000, 4000, 6000 , 8000 or Specify |
| Pulse Power | - | Max. 10KW @10ms Max. 50KW @1ms Max. 1MW @50ns |
| Loss Power Handling Capability | - | 1KW for 10 min 500W Continuously |
| Nominal Beam Pointing Accuracy | deg | 1 |
| Min. Beam Ellipticity | - | 0.92 |
| Max. Fiber Tensile Load | N | 5 |
| Package Material | - | Stainless Steel / Aluminum / Copper |
| Operating Temperature | °C | +10 to +50 |
| Storage Temperature | °C | -10 to +75 |
| Max. Water Pressure | Bar | 8 |
| Flow of Water | L/min | 1.5-3 |
| Fiber Length ≤ 15 m | - | The Fiber Length Tolerance is -10cm |
| 15m < Fiber Length ≤ 30m | - | The Fiber Length Tolerance is -20cm |
| Jacket Length ≤ 15m | - | The Jacket Length Tolerance is +0.2/-0.1m |
| 15m < Jacket Length ≤ 30m | - | The Jacket Length Tolerance is +0.4/-0.2m |

*The actual dimensions may be different from above drawing due to different requirements, please see shipment data sheet.

*For FOC without window, the transmission @635nm is around 80%.

*The material must be RoHS&REACH compliant.

Package Dimensions



Ordering Information

FOC-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧-⑨⑨

①①: Wavelength

06 - 1064nm

08 - 1080nm

SS - Specify

②②: Connector Type

QB - QBH Compatible

③③: Handling Power

1000 - 1000W

1500 - 1500W

2000 - 2000W

3000 - 3000W

3500 - 3500W

4000 - 4000W

4500 - 4500W

6000 - 6000W

8000 - 8000W

S - Specify

④④: Fiber Type

01-Nufern GDF-20/400-M NA0.065

03-Nufern BD-S100/120/360-STN NA0.22

08-Nufern LMA-GDF 25/400-M NA0.065

10-Nufern BD-S50/70/360-STN NA0.22

11-Coractive DCF-UN 50/400 NA0.12

20-Nufern LMA-GDF- 30/250-M NA0.06

SS - Specify

⑤⑤: Jacket Length

10 - 10m 13mm Armoured Cable

15 - 15m 13mm Armoured Cable

18 - 18m 13mm Armoured Cable

20 - 20m 13mm Armoured Cable

22 - 22m 13mm Armoured Cable

23 - 23m 13mm Armoured Cable

SS - Specify

⑥⑥: Bare Fiber Length With Loose Tube

01 - 1 m

1.5 - 1.5 m

02 - 2 m

SS - Specify

⑦⑦: Package Type

Q8 - Type Q8

⑧⑧: Protection Cap Type

01 - Aluminum Without Window

02 - Aluminum With Window For SM Fiber

03 - Aluminum With Window For MM Fiber

SS - Specify

⑨⑨: Water Pipe Length

05 - 5×2m

NN - None

SS - Specify