

## HIGH POWER Fiber Optical Cable (QBH)

### Features

Low Transmission Loss  
High Power Handling Capability  
High Reflection Power Endurance  
Water Cooling & Safety Interlock Function Available

### Application

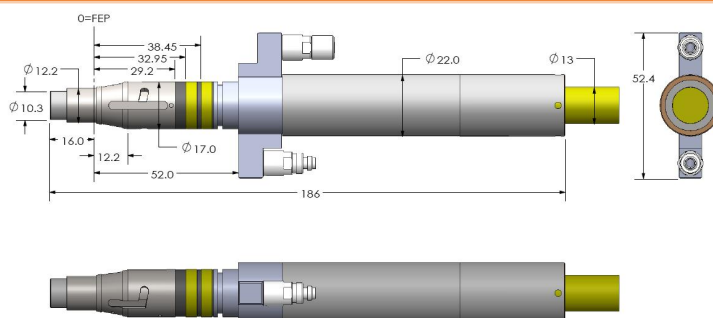
Laser Cutting  
Laser Cleaning  
Laboratory Design Solutions

| Parameters                     | Value                    | Unit  | Note         |
|--------------------------------|--------------------------|-------|--------------|
| Operating Wavelength           | 915                      | nm    |              |
| Fiber Type                     | Nufern-MM-S 400/480-22FA | -     |              |
| Fiber AR Coating (Output Port) | -                        | -     |              |
| Transmission Power Loss        | 98                       | %     |              |
| Stripping Efficiency           | -                        | dB    |              |
| Point Angle                    | 2                        | mrاد  |              |
| Average Power                  | 2                        | KW    |              |
| Cable Diameter                 | 13                       | mm    |              |
| Cable length                   | 10+0.4/-0.1              | m     |              |
| Bare fiber length              | > 2                      | m     |              |
| Interlock cable length         | 1±0.2                    | m     |              |
| Max. Water Pressure            | -                        | Bar   |              |
| Flow of Water                  | 1.2 ±0.2                 | L/min |              |
| Cold Water Temperature         | ≥5, ≤20                  | °C    | (Suggestion) |
| Water PH Value                 | 5.6~7.9                  |       |              |
| Water Hose Diameter            | ID/OD=4mm/6mm            | mm    |              |
| Peak Power                     | @ 10ms pulse             | 8     | KW           |
|                                | @ 1ms pulse              | 40    | KW           |
|                                | @ 50ns pulse             | 8     | MW           |
| Reflection Power               | @ 10s                    | 1.5   | KW           |
|                                | @ 50s                    | 1     | KW           |
|                                | @ long time              | 0.6   | KW           |

Head size (Protection cap without window plate)

Dimensions can be customized; the following images are for reference.

### Mechanical Dimension



### Ordering Information

GCQBH-915-2KW-400/480-S-10m-12m

GCQBH-1-2-3-4-5-6

|   |                                   |                                                                  |
|---|-----------------------------------|------------------------------------------------------------------|
| 1 | Wavelength                        | 1064nm、1080nm - Specify                                          |
| 2 | Handling Power                    | 1000W 3000W 6000W 8000W , etc                                    |
| 3 | Fiber Type                        | 30/250, 100/120/360 etc.                                         |
| 4 | Connector                         | S-Single Connector, D-Dual Connectors                            |
| 5 | Jacket Length                     | 10 - 10m 13mm Armoured Cable : 20 - 20m 13mm Armoured Cable etc. |
| 6 | Bare Fiber Length With Loose Tube | 01 - 1m 02 - 2m etc.                                             |