

## High Power Laser Cable (WLC)

### Features

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

### Application

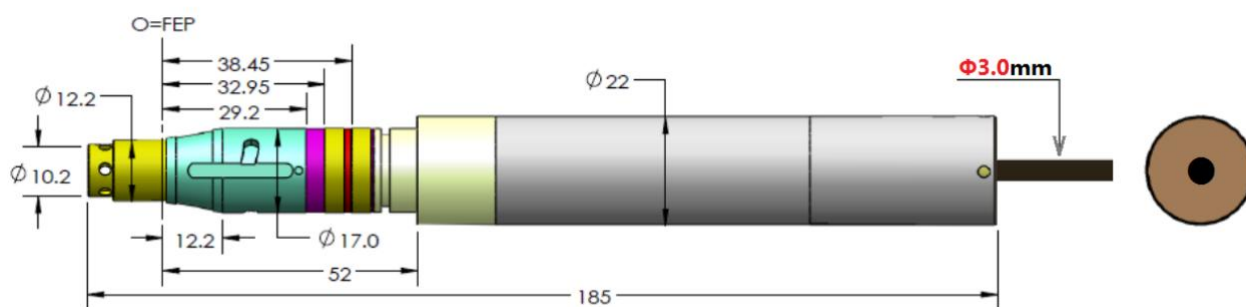
Laser Cutting  
Laser Cleaning  
Laboratory Design Solutions

| Parameters                     | Value                            | Unit | Note |
|--------------------------------|----------------------------------|------|------|
| Operating Wavelength           | 1064                             | nm   |      |
| Fiber Type                     | Nufern-PM-GDF-30/250-0.06/0.46NA | -    |      |
| Fiber AR Coating (Output Port) | -                                | -    |      |
| Transmission Power Loss        | 3.0                              | %    | max  |
| Stripping Efficiency           | 10                               | dB   | min  |
| Point Angle                    | 20                               | mrاد | max  |
| Average Power                  | 1                                | KW   | max  |
| Operating Temperature          | -                                | °C   |      |
| Storage Temperature            | -                                | °C   |      |
| Cable Diameter                 | 3                                | mm   |      |
| Hose length                    | 0.5±0.1                          | m    |      |
| Bare fiber length              | >1.5                             | m    |      |
| Interlock cable length         | 1±0.2                            | m    |      |
| 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

GCPMWLC-1064-1KW-30/250-S-0.5m-2m(water loss)

GCPMWLC-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.                                             |