

High Power Laser Cable (QBH)

Features

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

Application

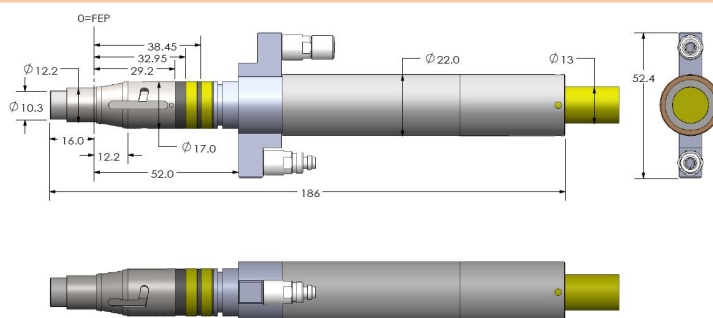
Laser Cutting
Laser Cleaning
Laboratory Design Solutions

Parameters	Value	Unit	Note
Operating Wavelength	969	nm	
Fiber Type	CSM 910/1000/1400 NA0.22	-	
Fiber AR Coating (Output Port)	$R \leq 0.2\% @ 969 \pm 10 \text{nm}$, Damage Threshold $\geq 1 \text{GW/cm}^2$	-	
Transmission Power Loss	3	%	
Stripping Efficiency	10	dB	
Point Angle	20	mrad	
Average Power	3	KW	
Cable Diameter	8	mm	
Cable length	3	m	
Bare fiber length	≥ 4.5	m	
Interlock cable length	1 ± 0.2	m	
Max. Water Pressure	-	Bar	
Flow of Water	1.2 ± 0.2	L/min	
Cold Water Temperature	$\geq 5, \leq 20$	°C	
Water PH Value	5.6~7.9	-	
Water Hose Diameter	ID/OD=4mm/6mm	mm	

Head size (Protection cap without window plate)

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

Mechanical Dimension



Ordering Information

GCQBH-969-3KW-910/1000/1400-S-3m-4.5m

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.