

High Power Laser Cable (QBH)

Features

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

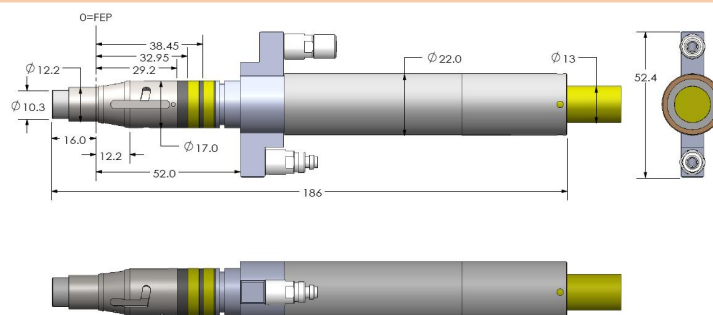
Application

Laser Cutting
Laser Cleaning
Laboratory Design Solutions

Parameters	Value	Unit	Note
Operating Wavelength	1064	nm	
Fiber Type	CSM 50/400 NA0.12	-	
Fiber AR Coating (Output Port)	-	-	
Transmission Power Loss	3	%	
Stripping Efficiency	10	dB	
Point Angle	20	mrاد	
Average Power	10	KW	
Cable Diameter	13	mm	
Cable length	10	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.

Mechanical Dimension



Ordering Information

GCQBH-1064-10KW-50/400-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.