

# **Dual Lightcomm High Power Laser Cable**

## **Description**

technology, is used in high power fiber laser as output termination for high power laser delivery. LLC package can be fully compatible with the standard industrial processing equipment interface.

# **Key Features**

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

## **Specifications**

Optical Parameters			Min	Тур.	Max	Unit	Note
			890		1000		
1 Operating Wavelength			or		nm	R≤0.2%	
			1030		1100		
2	Fiber Core Diameter		10		800	μm	
3	Fiber NA		0.06		0.22	-	
4	Fiber Type						
5	Transmission Power Loss				3.0	%	With one connector
6	Point Angle				2	mrad	
7	Forward cladding power				100	W	
8	Stripping Efficiency		10			dB	
9	Average Power				5.0	KW	
10	Peak Power	@ 10ms pulse			8	KW	
11		@ 1ms pulse			40	KW	
12		@ 50ns pulse			8	MW	
13	Deflection Demon	@ 10s			1.5	KW	
14	Reflection Power	@ 50s			1	KW	
15		@ long time			0.6	KW	

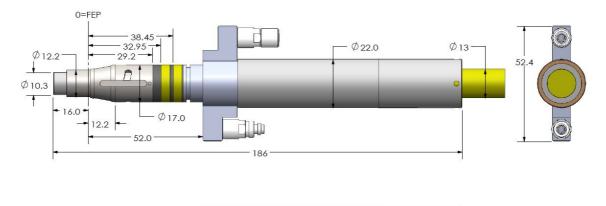
Mechar	Mechanical/Application Parameters					
1	Mechanical Interface	Compatible with standard industrial processing equipment interface				
2	Cable Diameter	13mm				
3	Water Quality	Purified and Distilled Water				
4	Water Pressure	≤0.3Mpa				
5	Water Temperature	≥5°C above Dew Point Temperature				
6	Water PH Value	5.6~7.9				
7	Water Hose Diameter	ID/OD=4mm/6mm				



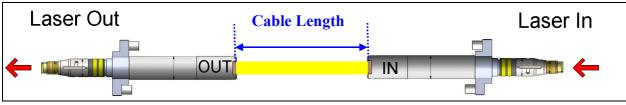
#### **Mechanical Dimension**

Head size and FEP(Fiber End Plane):

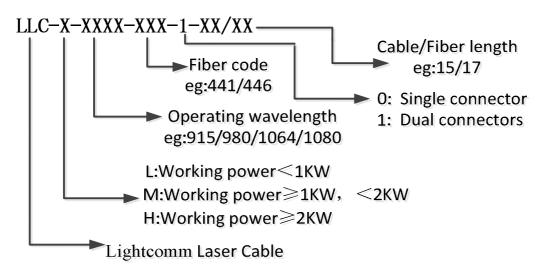








#### **Ordering Information**



#### Note:

Fiber code: refer to Lightcomm's fiber code list.

Special code: "0" stands for single connector type, "1" stands for symmetrical dual connector type, "2" stands for asymmetrical dual connector type which including one D80 connector.

Cable/Fiber Length: measured from the junction between metal parts and cable, 15/17 stands for total 15m cable length and total 17m fiber length

Cable length tolerance is -0/+0.3m for single connector type; Cable length tolerance is -0/+0.5m for dual connector type.

Example: LLC-H-1064-441-1-10/10