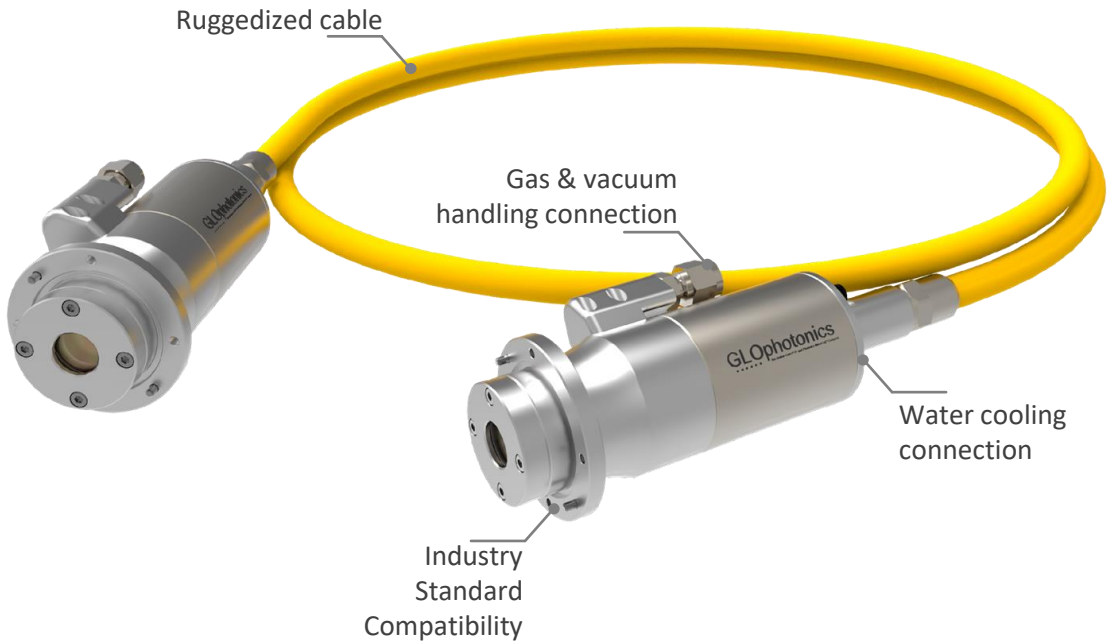




## BEAM DELIVERY CABLE

COMPATIBLE WITH INDUSTRIAL STANDARD



*Ultra-short pulse lasers – High peak power*

*Low loss – Low pulse distortion*

*High Beam Quality*

Micromachining



Surgery



Biomedical



## USP LASER Requirements

Wavelength (nm)	1030/1064 <sup>(1)</sup>
Energy ( $\mu$ J)	< 200 <sup>(1)</sup>
Beam quality ( $M^2$ )	< 1.2 <sup>(2)</sup>
Average power (W)	< 100 <sup>(1)</sup>
Beam pointing ( $\mu$ rad) <sup>(3)</sup>	< 5
Pulse duration	CW to 50 fs <sup>(1)</sup>

## BDC Output Specifications

Transmission efficiency	> 85%			
Power stability	Static regime	< 5%	Motion regime	NA
Beam pointing stability		< 5%		NA
Polarization PER (dB)		> 14		NA
PER stability		< 2%		NA

## Physical Properties

Fiber length (m) <sup>(1)</sup>	2, 3, 5
Gas/Vacuum connection	Compression fitting 1/4"
Water cooling connection	4mm push-in
Fiber protection	13mm armored PU tube
Cable min. bending radius (cm)	5
Output	Sealed round cell compatible with optional collimation

(1) Other upon request

(2) Higher  $M^2$  can be handled in specific conditions. Contact us for details

(3) The angle specification is set for 1 m distance between the laser and the fiber tip

