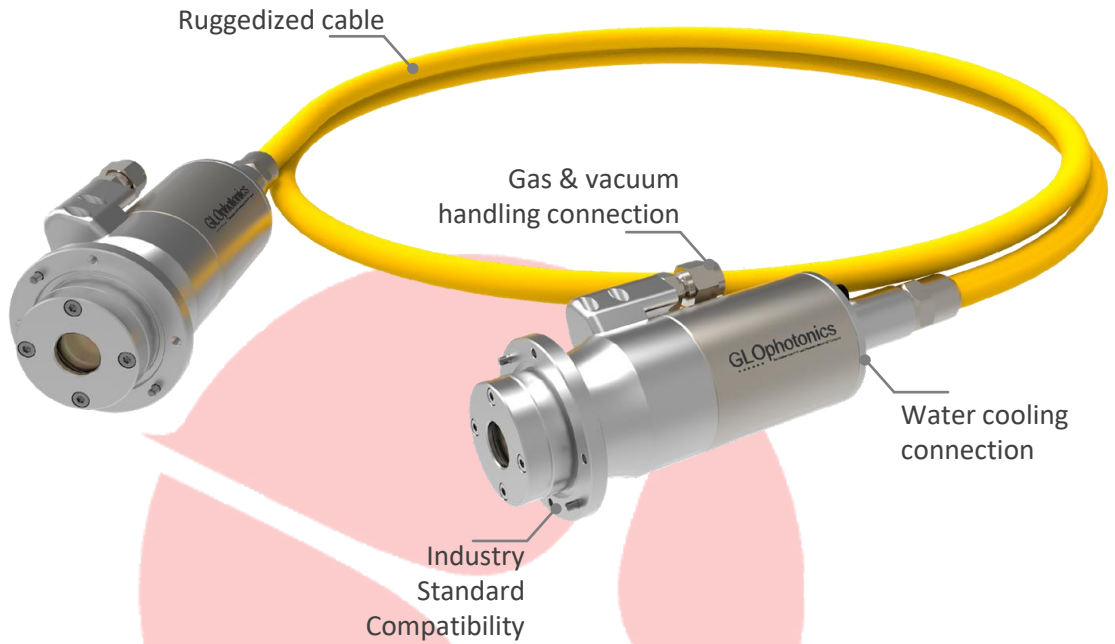


BEAM DELIVERY CABLE

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 ⁽¹⁾
Energy (μ J)	< 200 ⁽¹⁾
Beam quality (M^2)	< 1.2 ⁽²⁾
Average power (W)	< 100 ⁽¹⁾
Beam pointing (μ rad) ⁽³⁾	< 5
Pulse duration	CW to 50 fs ⁽¹⁾

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) ⁽¹⁾	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