



COR ACTIVE

OPTICAL FIBERS FOR INDUSTRIAL APPLICATIONS



About us

At Coractive, we are constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets.

With the mission of providing the highest quality optical fiber solutions and outstanding customer service, we specialize in optical fiber design and manufacturing.

Founded in 1998 and based in Quebec City, Canada, Coractive's team of specialists has since helped to deliver tried and tested solutions throughout the world.

List of Optical Fibers for Industrial Applications

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Clad absorption @915nm (dB/m)	Applications	Description
DCF Yb Doped	DCF-YB-6/128S	6*	128	0.13	0.55	CW or Pulsed Fiber Laser	Single Mode
	DCF-YB-10/128E	10	128	0.08	1.35	CW or Pulsed Fiber Laser	Single Mode
	DCF-YB-15/128	15	128	0.08	2.0	Pulsed Fiber Laser	-
	DCF-YB-20/128E	20	128	0.08	3	Pulsed Fiber Laser	-
	DCF-YB-25/250-06	25	250	0.06	1.7	High Power Pulsed Fiber Laser Laser marking, engraving	-
	DCF-YB-30/250EH	30	250	0.061	2.1	High Power Pulsed Fiber Laser Laser marking, engraving	-
	DCF-YB-20/400-065	20	400	0.065	0.4	High Power CW Fiber Lasers Metal cutting, Welding	Up to 3kW
	DCF-YB-30/400 ¹	30	400	0.065	0.65	High Power CW Fiber Lasers Metal cutting, Welding	Up to 6kW
	DCF-YB-50/400 ¹	50	400	0.12	>2	High Power Pulsed Fiber Lasers Laser cleaning	Very Large Mode Area
	DCF-YB-100/400	100	400	0.12	>2	High Power Pulsed Fiber Lasers Laser cleaning	Very Large Mode Area
DCF Yb Doped-PM	DCF-YB-6/128S-PM	6*	128	0.13	0.6	Pulsed and Ultrafast Fiber Lasers	Single Mode
	DCF-YB-10/125E-PM	11	125	0.08	1.6		Single Mode
	Yb-MCOF-10/125-08-1.6-PM	10	125	0.08	1.6		Single Mode
	Yb-DCOF-15/125-08-2.7-PM	15	125	0.08	2.7		-
	DCF-YB-20/125E-PM	20	125	0.08	4.15		-
	DCF-YB-25/250-06-PM ¹	25	250	0.06	1.7		-

¹Fiber in development. Contact us to know more and to discuss custom development opportunities.

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DCF Yb Doped-PM	YB-MCOF-35/250-07-0.9-PM	25	250	0.06	0.9	High Power Pulsed and Ultrafast Fiber Lasers	Confined core and depressed clad for LP01 optimization
	Yb-MCOF-35/250-07-2.5-PM	35	250	0.07	2.5		Confined core and depressed clad for LP01 optimization
	DCF-YB-20/400-PM ¹	20	400	0.65	-		-
	Yb-MCOF-35/250-56/400-07-2.2-TO.7-PM	35-56	250-400	0.07	2.2		Expanding Mode Area fiber, tapered core from 35 μm to 56 μm. Confined core and depressed clad for LP01 optimization
	EMA-SUB-PLT0-YB-56/400-07-PM	35-56	250-400	0.07	2.2		EMA Fiber Sub-Assembly - Integrated MFA, pump injection module and endcap
DCF Yb Doped-Phospho	DCF-YB-6/128P-14-FA	6	128	0.14	1.5	High Power Pulsed Fiber Laser	Flat gain spectrum, no photodarkening
	DCF-YB-7/128-FHA	7	128	0.19	1.3	High Power Pulsed Fiber Laser	
	DCF-YB-8/128P-FA	8	128	0.1	1.8	High Power Pulsed Fiber Laser	
	DCF-YB-12/128P-FA	12	128	0.08	3	High Power Pulsed Fiber Laser	
	DCF-YB-20/128P-08-FA-G2	20	128	0.08	5.5	High Power Pulsed Fiber Laser	
	DCF-YB-20/128P-10-FHA-G2	20	128	0.1	9	High Power Pulsed Fiber Laser	
	DCF-YB-25/400P-10-FA ¹	25	400	0.1	0.5	High Power CW Fiber Lasers	
	DCF-YB-25/400-16-FA	25	400	0.16	0.5	High Power CW Fiber Lasers	
	DCF-YB-34/530-10 ¹	34	530	0.1	0.7	High Power CW Fiber Lasers	
DCF-YB-48/600-12-FA ¹	48	600	0.12	0.85	High Power CW Fiber Lasers		
Passive - Relay and Components	DCF-UN-6/125-12	6	125	0.12	-	Multimode combiners, FBGs, relay, isolators	Single Mode
	DCF-UN-10/125-08	10	125	0.08	-		Single Mode
	DCF-UN-20/125-08	20	125	0.08	-		-
	DCF-UN-20/250-08	20	250	0.08	-		-
	DCF-UN-20/400-065	20	400	0.065	-		-
	SCF-UN-6/125-12	6	125	0.12	-		-
	DCF-UN-6/125-14-PM	6	125	0.14	-		Single Mode
	DCF-UN-10/125-08-PM	10	125	0.08	-		Single Mode
	DCF-UN-15/125-075-PM	15	125	0.075	-		-
	DCF-UN-20/125-08-PM	20	125	0.08	-		-
	DCF-UN-35/250-07-PM	35	250	0.07	-		-
	Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA		Core absorption @915nm (dB/m)
SCF Yb Doped	Yb 401	6*	125	0.14	140	Pulsed seed lasers	Low photodarkening
	Yb 406	5*	125	0.14	600	Pulsed seed lasers	Low photodarkening
	Yb 118	4*	125	0.22	80	Pulsed seed lasers, DFB fiber lasers	Photosensitive
SCF Yb Doped PM	Yb 401-PM	6*	125	0.14	140	Seed lasers for Ultrafast	Low photodarkening

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Pump and Beam Delivery	DCF-UN-50/400-12-HBR	50	400	0.12	-	Laser beam delivery	Multi-kW
	DCF-UN-50/70/250-15	50	250	0.15	-	Laser beam delivery	Multi-kW
	DCF-UN-50/70/360-22	50	360	0.22	-	Laser beam delivery	Multi-kW
	DCF-UN-100/120/360-22	100	360	0.22	-	Laser beam delivery	Multi-kW
	DCF-UN-200/220/250-22	200	250	0.22	-	Laser beam delivery	Multi-kW
	SCF-UN-105/125-22	105	125	0.22	-	High power pump diodes output fibers	-
	SCF-UN-109/125-22	109	125	0.22	-	High power pump diodes output fibers	-
	SCF-UN-135/155-22	135	155	0.22	-	High power pump diodes output fibers	-
	SCF-UN-205/220-22	200	220	0.22	-	High power pump diodes output fibers	-

For additional information please contact our sales representatives.

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