



COR ACTIVE

OPTICAL FIBERS

COMPLETE OFFERING



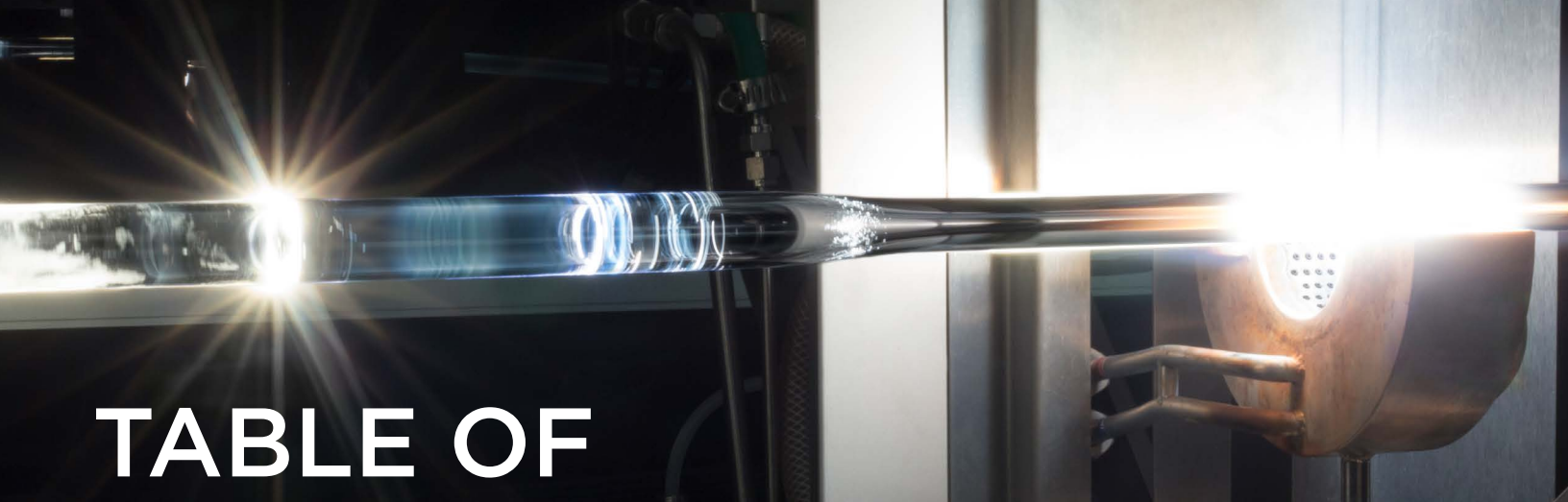


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ABOUT US

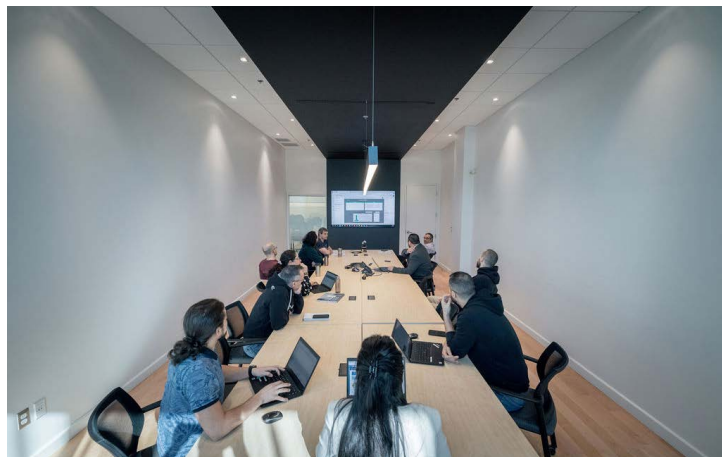
At Coractive, we're constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets.

With the mission of providing the highest quality optical fiber solutions and outstanding customer service, we specialize in optical fiber design and manufacture, certified ISO 9001:2015. From glass preform to testing and measurement, we have a complete control on the manufacturing process, to ensure you quality and lower costs.

In answer to the specific needs of customers in the industrial, telecommunications, detection (LiDAR), medical and scientific markets, Coractive relies on a network of distributors in North America, Europe and Asia.

Our commitment: to support our customers over their product lifetime, from R&D and prototyping, through their ramp-up phase and towards their full-scale production stage.

Founded in 1998 and based in Quebec City, Canada, Coractive can count on more than 50 employees. Our team of specialists has since helped to deliver tried and tested solutions throughout the world.



A technician wearing safety glasses and a dark jacket is working on a fiber optic cable in a laboratory setting. The technician is focused on the task, with their hands near a piece of equipment. The background shows various laboratory fixtures and a blue-tinted environment. An orange semi-transparent box is overlaid on the left side of the image, containing the title text.

LIST OF OPTICAL FIBERS PER APPLICATIONS

INDUSTRIAL

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	30	400	0.065	0.65	High Power CW Fiber Lasers Metal cutting, Welding	Up to 6kW
	DCF-YB-50/400	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-200/400	200	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	Pulsed and Ultrafast Fiber Lasers	Single Mode
	Yb-MCOF-10/125-08-1.6-PM	10	125	0.08	1.6	Pulsed and Ultrafast Fiber Lasers	Single Mode
	Yb-DCOF-15/125-08-2.7-PM	15	125	0.08	2.7	Pulsed and Ultrafast Fiber Lasers	
	DCF-YB-20/125E-PM	20	125	0.08	4.15	Pulsed and Ultrafast Fiber Lasers	
	DCF-YB-25/250-06-PM	25	250	0.06	1.7	High Power Pulsed and Ultrafast Fiber Lasers	
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	Matches industry standards
	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	Matches industry standards
	SCF-UN-205/220-22	200	220	0.22	-	High power pump diodes output fibers	Matches industry standards

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Clad absorption @915nm (dB/m)	Applications	Description
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	High Power Pulsed and Ultrafast Fiber Lasers	Confined core and depressed clad for LP01 optimization
	DCF-YB-20/400-PM	20	400	0.65		High Power Pulsed and Ultrafast Fiber Lasers	
	Yb-MCOF-35/250-56/400-07-2.2-TO.7-PM	35-56	250-400	0.07	2.2	High Power Pulsed and Ultrafast Fiber Lasers	Expanding Mode Area fiber, tapered core from 35 µm to 56 µm. Confined core and depressed clad for LP01 optimization
	EMA-SUB-YB-56/400-07-PM	35-56	250-400	0.07	2.2	High Power Pulsed and Ultrafast Fiber Lasers	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 Laser marking, engraving	Single Mode. Flat gain spectrum, no photodarkening
	DCF-YB-7/128-FHA	7	128	0.19	1.3	High Power Pulsed Fiber Laser Laser marking, engraving	Single Mode. Flat gain spectrum, no photodarkening
	DCF-YB-8/128P-FA	8	128	0.1	1.8	High Power Pulsed Fiber Laser Laser marking, engraving	Single Mode. Flat gain spectrum, no photodarkening
	DCF-YB-12/128P-FA	12	128	0.08	3	High Power Pulsed Fiber Laser Laser marking, engraving	Flat gain spectrum, no photodarkening
	DCF-YB-14/250P-FA	14	250	0.07	0.8	High Power Pulsed Fiber Laser Laser marking, engraving	Flat gain spectrum, no photodarkening
	DCF-YB-20/128P-08-FA-G2	20	128	0.08	5.5	High Power Pulsed Fiber Laser Laser marking, engraving	Flat gain spectrum, no photodarkening
	DCF-YB-20/128P-10-FHA-G2	20	128	0.1	9	High Power Pulsed Fiber Laser Laser marking, engraving	Flat gain spectrum, no photodarkening, high absorption
	DCF-YB-25/400P-10-FA	25	400	0.1	0.5	High Power CW Fiber Lasers Metal cutting, welding	>3kW, flat gain spectrum, no photodarkening
	DCF-YB-25/400-16-FA	25	400	0.16	0.5	High Power CW Fiber Lasers Metal cutting, welding	>3kW, flat gain spectrum, no photodarkening
	DCF-YB-34/530-10	34	530	0.1	0.7	High Power CW Fiber Lasers Metal cutting, welding	>10kW, flat gain spectrum, no photodarkening
SCF Yb Doped	Yb 401	6*	125	0.14	140 (core abs.)	Pulsed seed lasers	Very high absorption, low photodarkening
	Yb 406	5*	125	0.14	600 (core abs.)		
SCF Yb Doped PM	Yb 100-PM	5*	125	0.16	10 (core abs.)	Seed lasers for Ultrafast	Lower absorption
	Yb 401-PM	6*	125	0.14	140 (core abs.)	Seed lasers for Ultrafast	Very high absorption, low photodarkening
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	-	Multimode combiners, FBGs, relay, isolators	Single Mode
	DCF-UN-20/125-08	20	125	0.08	-	Multimode combiners, FBGs, relay	
	DCF-UN-20/250-08	20	250	0.08	-	Multimode combiners, FBGs, relay	
	DCF-UN-20/400-065	20	400	0.065	-	Multimode combiners, FBGs, relay	
	SCF-UN-6/125-12	6	125	0.12	-		
	DCF-UN-6/125-14-PM	6	125	0.14	-	Multimode combiners, FBGs, relay, isolators	Single Mode
	DCF-UN-10/125-08-PM	10	125	0.08	-	Multimode combiners, FBGs, relay, isolators	Single Mode
	DCF-UN-15/125-075-PM	15	125	0.075	-	Combinateur multimode, relais FBG	
	DCF-UN-20/125-08-PM	20	125	0.08	-	Combinateur multimode, relais FBG	
	DCF-UN-35/250-07-PM	35	250	0.07	-	Combinateur multimode, relais FBG	

LIDAR

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core Absorption @1530nm (dB/m)	Clad absorption @915nm (dB/m)	Applications	Description
Er Doped Single Clad Fiber	ER35-7	7*	125	0.22	35	N/A	1.5 μm Lidar source pre-amplifier, EDFA	High absorption & high efficiency
	ER12-6	6*	125	0.22	12	N/A	1.5 μm Lidar source pre-amplifier, EDFA	Mid level absorption & high efficiency
	ER8-6	6*	125	0.22	8	N/A	1.5 μm Lidar source pre-amplifier, EDFA	Low absorption & high efficiency
	SCF-ER35-10/125-12	10	125	0.12	35	N/A	1.5 μm Lidar source pre-amplifier, EDFA	High absorption and larger MFD
	EDF-L 1500	6*	125	0.21	21	N/A	1.5 μm Lidar source pre-amplifier Narrow Linewidth sources	Optimized for narrow linewidth (ex : fiber optics gyroscope light sources)
	ER35-7-PM	7*	125	0.2	35	N/A	1.5 μm Lidar source pre-amplifier Narrow Linewidth sources	High absorption and polarization maintaining
	ER50-7-PM	7*	125	0.21	50	N/A	1.5 μm Lidar source pre-amplifier Narrow Linewidth sources	Very high absorption and polarization maintaining
Passive	SCF-UN-8/125-14	8	125	0.14	N/A	N/A	Relay and passive component fibers	Match Coractive's DCF-EY-10/128H and SMF-type fibers
Attenuating Fibers	ATN-FB	7	125	0.14	N/A	N/A	Attenuating fiber - 0.4 - 15 dB/cm range	Attenuating termination of unused component legs - Prevents self-pulsation
	ATN-FBL	7	125	0.14	N/A	N/A	Attenuating fiber - < 0.4 dB/cm range	Attenuating termination of unused component legs - Prevents self-pulsation

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Core Absorption @1530nm (dB/m)	Clad absorption @915nm (dB/m)	Applications	Description
Ey Doped Double Clad Fiber	DCF-EY-6/128-G2	6	128	0.2	60	0.9	1.5 µm LIDAR source amplifiers	Single mode. Lower power or first stage of amplifiers
	DCF-EY-10/128H-G2	10	128	0.2	85	2.4	1.5 µm LIDAR source amplifiers	Few moded fiber. 2nd stage of amplifier. Up to 5W
	DCF-EY-12/130H	12	130	0.2	80	3.2	1.5 µm LIDAR source amplifiers	Few moded fiber. 2nd stage of amplifier. Up to 5W
	DCF-EY-11/125-18	11	125	0.18	75	2.75	1.5 µm LIDAR source amplifiers	Few moded fiber. 2nd stage of amplifier. Up to 5W
	DCF-EY-10/128P	10	128	0.11	80	2.9	1.5 µm LIDAR source amplifiers	Single mode. Large MFD. Optimized for single stage up to 10W
	DCF-EY-11/128P-SMF	11*	128	0.11	75	2.9	1.5 µm LIDAR source amplifiers	Single mode. SMF28 match. Optimized for single stage up to 10W
	DCF-EY-16/128-18	16	128	0.18	75	6	High Power 1.5 µm LIDAR source amplifiers	Reach at least 50W
	DCF-EY-16/250P	16	250	0.11	125	1.11	High Power 1.5 µm LIDAR source amplifiers	Reach at least 50W
	DCF-EY-25/250P	25	250	0.1	60	5	High Power 1.5 µm LIDAR source amplifiers	Reach at least 100W
	DCF-EY-8/105/125-14/22-HTA	8	105 & 125	0.14 & 0.22	75	4	1.5 µm LIDAR source amplifiers	All glass fiber. No low index polymer
	DCF-EY-10/128-G2-PM	10	128	0.2	85	2	1.5 µm LIDAR PM source amplifiers Wind Sensing	Up to 5W polarization maintaining
	DCF-EY-6/128-PM	6	128	0.2	60	0.7	1.5 µm LIDAR PM source amplifiers Wind Sensing	Single mode. Lower power or first stage of amplifiers. Polarization maintaining
Passive Double Clad Fiber	DCF-UN-8/125-14	8	125	0.14	N/A	N/A	Relay and passive component fibers	Match : DCF-EY-6/128, DCF-EY-10/128H, DCF-EY-12/128H, DCF-EY-11/128smf
	DCF-UN-10/125-10	10	125	0.1	N/A	N/A	Relay and passive component fibers	Match : DCF-EY-10/128P
	DCF-UN-16/125-16	16	125	0.16	N/A	N/A	Relay and passive component fibers	Match : DCF-EY-16/128-18
	DCF-UN-25/250-11	25	250	0.11	N/A	N/A	Relay and passive component fibers	Match : DCF-EY-25/250P
	DCF-UN-8/105/125-14/22-HTA	8	105 & 125	0.14 & 0.22	N/A	N/A	Relay and passive component fibers	Match : DCF-EY-8/105/125-14/22-HTA
	DCF-UN-8/125-14-PM	8	125	0.14	N/A	N/A	Relay and passive component fibers	Match Coractive's DCF-EY-10/128-G2-PM active fiber

TELECOM

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core Absorption @1530nm (dB/m)	Clad absorption @915nm (dB/m)	Application	Description
Er Doped Single Clad Fibers	ER35-7	7*	125	0.22	35	-	EDFA or pre-amplifier	High absorption & high efficiency
	ER12-6	6*	125	0.22	12	-	EDFA or pre-amplifier	Mid level absorption & high efficiency
	ER8-6	6*	125	0.22	8	-	EDFA or pre-amplifier	Low absorption & high efficiency
	SCF-ER35-10/125-12	10*	125	0.12	35	-	EDFA or pre-amplifier	High absorption and larger MFD
	SCF-ER60-8/125-12	8*	125	0.12	60	-	EDFA or pre-amplifier	Higher absorption than SCF-ER35-10/125-12
	SCF-ER-6/125-14	6	125	0.14	45.0 ± 5.0	-	EDFA or pre-amplifier	Gain extends to L band
	ER-extended L band	8	125	0.136	28@1535 nm	7.5@980nm	EDFA or pre-amplifier	Gain > 1627 μm L++ Band
	EDF-L 1500	6*	125	0.21	21	-	EDFA or pre-amplifier	Optimized for narrow linewidth (e.g.: fiber optics gyroscope light sources) C Band
	ER35-7-PM	7*	125	0.2	35	-	EDFA or pre-amplifier	High absorption and polarization maintaining
	ER50-7-PM	7*	125	0.21	50	-	EDFA or pre-amplifier	Very high absorption and polarization maintaining
Passive single clad	SCF-UN-8/125-14	8	125	0.14	-	-	Passive components	Match DCF-EY-6/128 and DCF-EY-10/128H-G2. Single mode @1550
Photosensitive fiber	UVS-INT-PMD3	5.1	125	0.2	-	-		Photosensitive to enable FBG writing for dispersion compensation.

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core Absorption @1530nm (dB/m)	Clad absorption @915nm (dB/m)	Application	Description
EY Doped Double Clad Fibers	DCF-EY-6/128	6	128	0.2	60	0.9	CATV - High power 1.5 μm amplifiers	Single mode. Lower power or first stage of amplifiers
	DCF-EY-10/128H-G2	10	128	0.2	85	2.4	CATV - High power 1.5 μm amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 5W
	DCF-EY-10/128-G2-PM	10	128	0.2	85	2	High power 1.5 μm amplifiers	Up to 5W. Polarization maintaining
	DCF-EY-6/128-PM	6	128	0.2	60	0.7	High power 1.5 μm amplifiers	Single mode. Lower power or first stage of amplifiers. Polarization maintaining
Non linear fibers	SCF-UN-3/125-25	3	125	0.25	-	-	Non linear effects generation	Designed for manufacturing passive components for non-linear effects
	SCF-UN-3/125-25-PM	3	125	0.25	-	-	Non linear effects generation	Polarization-maintaining version of SCF-UN-3/125-25
Passive double clad fibers	DCF-UN-8/125-14	8	125	0.14	-	-	Relay and passive component fibers	Match : DCF-EY-6/128, DCF-EY-10/128H, DCF-EY-12/128H, DCF-EY-11/128smf
	DCF-UN-8/200-10	8	200	0.10 & 0.46	-	-	Relay and passive component fibers	
	DCF-UN-8/125-14-PM	8	125	0.14	-	-	Relay and passive component fibers	Match Coractive's DCF-EY-10/128-G2-PM active fiber
ATN fibers	ATN-FB	7	125	0.14	-	-	Range from 0.4 to 15 dB/cm	Attenuation range (<15 dB/cm) for manufacturing in-line fixed attenuators used in telecommunications.
	ATN-FBL	7	125	0.14	-	-	Range from 0.005 to 0.4 dB/cm	Attenuation range (<0.4 dB/cm) for manufacturing patch cord-type attenuators used in telecommunications.
	ATN-FBS	7	125	0.14	-	-	Range from 0.005 to 0.4 dB/cm	Attenuation range (<0.4 dB/cm), perfect for manufacturing attenuators used in undersea telecom applications.
	ATN-CMS	8	125	0.12	-	-	Range from 0.9 to 21.5 dB/cm	High attenuation fiber with cladding mode suppression
Raman fiber	SM-Raman-P	4 μm and 5.5*	125	0.18			Raman amplifier	Single-mode fiber. Designed for applications that require Raman gain efficiency. Low splice loss and can provide gain at any wavelength between 1100 nm and 1700 nm.

SPACE

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core @1530nm or *Clad Absorption @915nm (dB/m)	Applications	Description
Er Doped Single Clad Fibers	ER35-7	7*	125	0.22	35	EDFA or preamplifier	High absorption & high efficiency
	ER12-6	6*	125	0.22	12	EDFA or preamplifier	Mid-level absorption & high efficiency
	ER8-6	6*	125	0.22	8	EDFA or preamplifier	Low absorption & high efficiency
	SCF-ER35-10/125-12	10	125	0.12	35	EDFA or preamplifier	High absorption and larger MFD
	SCF-ER-6/125-14	6	125	0.14	45.0 ± 5.0	EDFA or preamplifier	Gain extends to L band
	EDF-L 1500	6*	125	0.21	21	EDFA or preamplifier	Optimized for narrow line width (e.g. : fiber optics gyroscope light sources)
	ER35-7-PM	7*	125	0.2	35	EDFA or preamplifier	High absorption and polarization maintaining
	ER50-7-PM	7*	125	0.21	50	EDFA or preamplifier	Very high absorption and polarization maintaining
ATN FIBERS	ATN-FB	7	125	0.14	N/A	Range from 0.4 to 15 dB/cm	Attenuation range (<15 dB/cm) for manufacturing in-line fixed attenuators.
	ATN-FBL	7	125	0.14	N/A	Range from 0.005 to 0.4 dB/cm	Attenuation range (<0.4 dB/cm) for manufacturing patch cord-type attenuators.
	ATN-FBS	7	125	0.14	N/A	Range from 0.005 to 0.4 dB/cm	Attenuation range (<0.4 dB/cm).
	ATN-CMS	8	125	0.12	N/A	Range from 0.9 to 21.5 dB/cm	High attenuation fiber with cladding mode suppression

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Core @1530nm or *Clad Absorption @915nm (dB/m)	Applications	Description
Ey Doped Double Clad Fibers	DCF-EY-6/128	6	128	0.2	0.9*	High power 1.5µm amplifiers	Single mode. Lower power or first stage of amplifiers
	DCF-EY-10/128H-G2	10	128	0.2	2.4*	High power 1.5µm amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 5W
	DCF-EY-12/130H	12	130	0.2	3.2*	High power 1.5µm amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 10W
	DCF-EY-11/125-18	11	125	0.18	2.75*	High power 1.5µm amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 5W
	DCF-EY-10/128P	10	128	0.11	2.9*	High power 1.5µm amplifiers	Single mode. Large MFD. Optimized for single stage up to 10W
	DCF-EY-11/128P-SMF	11*	128	0.11	2.9*	High power 1.5µm amplifiers	Single mode. SMF28 match. Optimized for single stage up to 10W
	DCF-EY-16/128-18	16	128	0.18	6*	Very high power 1.5 µm amplifiers	Reach at least 50W
	DCF-EY-16/250P	16	250	0.11	1.11*	Very high power 1.5 µm amplifiers	Reach at least 50W
	DCF-EY-25/250P	25	250	0.1	5*	Very high power 1.5 µm amplifiers	Reach at least 100 W
	DCF-EY-8/105/125-14/22-HTA	8	105 & 125	0.14 & 0.22	4*	High power 1.5 µm amplifiers	All glass fiber. No low index polymer
	DCF-EY-10/128-G2-PM	10	128	0.2	2*	High power 1.5 µm amplifiers	Up to 5W polarization maintaining
	DCF-EY-6/128-PM	6	128	0.2	0.7*	High power 1.5 µm amplifiers	Single mode. Lower power or first stage of amplifiers. Polarization maintaining
Passive Double Clad Fibers	DCF-UN-8/125-14	8	125	0.14	N/A	Relay and passive component fibers	Match : DCF-EY-6/128, DCF-EY-10/128H, DCF-EY-12/128H, DCF-EY-11/128smf
	DCF-UN-10/125-10	10	125	0.1	N/A	Relay and passive component fibers	Match : DCF-EY-10/128P
	DCF-UN-16/125-16	16	125	0.16	N/A	Relay and passive component fibers	Match : DCF-EY-16/128-18
	DCF-UN-25/250-11	25	250	0.11	N/A	Relay and passive component fibers	Match : DCF-EY-25/250P
	DCF-UN-8/105/125-14/22-HTA	8	105 & 125	0.14 & 0.22	N/A	Relay and passive component fibers	Match : DCF-EY-8/105/125-14/22-HTA
	DCF-UN-8/125-14-PM	8	125	0.14	N/A	Relay and passive component fibers	Match Coractive's DCF-EY-10/128-G2-PM active fiber

*All the DCF are available with high temperature coating

MEDICAL

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core Absorption @790nm (dB/m)	Clad absorption @790nm or @915*nm (dB/m)	Applications	Description
Double Clad Thulium Fibers	DCF-TM-10/130	10	130	0.15	-	9.0	2 μm fiber lasers and amplifiers	New generation fiber in development - Coming soon
	DCF-TM-25/400	25	400	0.09	-	4.2	2 μm fiber lasers and amplifiers	New generation fiber in development - Coming soon
	DCF-TM-6/128-22	6	128	0.22	-	1.5	2 μm fiber lasers and amplifiers	Legacy product line
	DCF-TM-10/128	10	128	0.22	-	4.0	2 μm fiber lasers and amplifiers	Legacy product line
	DCF-TM-15/250P-12	15	250	0.12	-	3.5	2 μm fiber lasers and amplifiers	Legacy product line
	DCF-TM-25/250P	25	250	0.11	-	8.0	2 μm fiber lasers and amplifiers	Legacy product line
	DCF-TM-22/400P	22	400	0.1	-	3.0	2 μm fiber lasers and amplifiers	Legacy product line

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Core Absorption @790nm (dB/m)	Clad absorption @790nm or @915*nm (dB/m)	Applications	Description
Single Clad Thulium	TM 134	3	125	0.16	>30	-	2 µm fiber lasers and amplifiers	
	SCF-TM-8/125	8	125	0.17	>45	-	2 µm fiber lasers and amplifiers	
Single Clad Thulium-Holmium	TH 512	9	125	0.16	>120	-	2 µm fiber lasers and amplifiers	Eye-safe fiber lasers and amplifiers in a broad range of applications
	TH 550	11.5	125	0.14	>120	-	2 µm fiber lasers and amplifiers	
Double Clad Erbium/Ytterbium Fibres	DCF-EY-6/128-G2	6	128	0.2	-	0.9*	1.5 µm fiber lasers and amplifiers	Single mode. Lower power or first stage of amplifiers
	DCF-EY-10/128H-G2	10	128H	0.2	-	2.4*	1.5 µm fiber lasers and amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 5W
	DCF-EY-12/130H	12	130	0.2	-	3.2*	1.5 µm fiber lasers and amplifiers	Few moded fiber. 2 nd stage of amplifier. Up to 10W
	DCF-EY-16/128-18	16	128	0.18	-	6.0*	1.5 µm fiber lasers and amplifiers	Reaches at least 50W
Polyimide Coated Fibers	PI-coated 62.5/125	62.5	125	0.29	-	-	Medical sensors	New coating development - Coming Soon
	PI-coated 62.5/80	62.5	80	0.29	-	-	Medical sensors	New coating development - Coming Soon
Passive Fibers	DCF-UN-8/125-14	8	125	0.14	-	-	Relay and passive component fibers	Match : DCF-EY-6/128, DCF-EY-10/128H, DCF-EY-12/128H
	DCF-UN-16/125-16	16	125	0.16	-	-	Relay and passive component fibers	Match : DCF-EY-16/128-18
	DCF-UN-25/250-10	25	250	0.1	-	-	Relay and passive component fibers	Match: DCF-TM-25/250P
	DCF-UN-25/400-10	25	250	0.1	-	-	Relay and passive component fibers	Match: DCF-TM-25/400

MID-IR

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Cutoff Wavelength (μm)	Applications	Description
AsSe Chalcogenide Fibers	IRT-SE-6/170	6	170	0.175	1.2	Mid-IR delivery	Single mode from cutoff wavelength. 2-6 μm transmission range.
	IRT-SE-12/170 SEG	12	170	0.77	-	Mid-IR delivery & Supercontinuum generation	Single mode from cutoff wavelength. Optimized for supercontinuum generation applications.
	IRT-SE-14/170	14	170	0.22	4	Mid-IR delivery	Single mode from cutoff wavelength. 2-6 μm transmission range.
	IRT-SE-18/170	18	170	0.22	5.2	Mid-IR delivery	Single mode from cutoff wavelength. 2-6 μm transmission range.
	IRT-SE-28/170	28	170	0.22	-	Mid-IR delivery	Multimode. 2-6 μm transmission range.
	IRT-SE-100/170	100	170	0.26	-	Mid-IR delivery	Multimode. 2-6 μm transmission range.
AsSu Chalcogenide Fibers	IRT-SU-7/170	7	170	0.26	2.0	Mid-IR delivery	Single mode from cutoff wavelength. 2-9 μm transmission range.
	IRT-SU-9/170	9	170	0.26	2.8	Mid-IR delivery	Single mode from cutoff wavelength. 2-9 μm transmission range.
	IRT-SU-11/170	11	170	0.26	3.5	Mid-IR delivery	Single mode from cutoff wavelength. 2-9 μm transmission range.
	IRT-SU-70/170	70	170	0.26	-	Mid-IR delivery	Multimode. 2-9 μm transmission range.
	IRT-SU-100/170	100	170	0.26	-	Mid-IR delivery	Multimode. 2-9 μm transmission range.
	IRT-SU-400/450	400	450	0.26	-	Mid-IR delivery	Multimode. 2-9 μm transmission range.





CONTACT US

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You have a project in mind?

If you are wondering how Coractive can help you or simply to request a quote, don't hesitate to contact our teams:

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