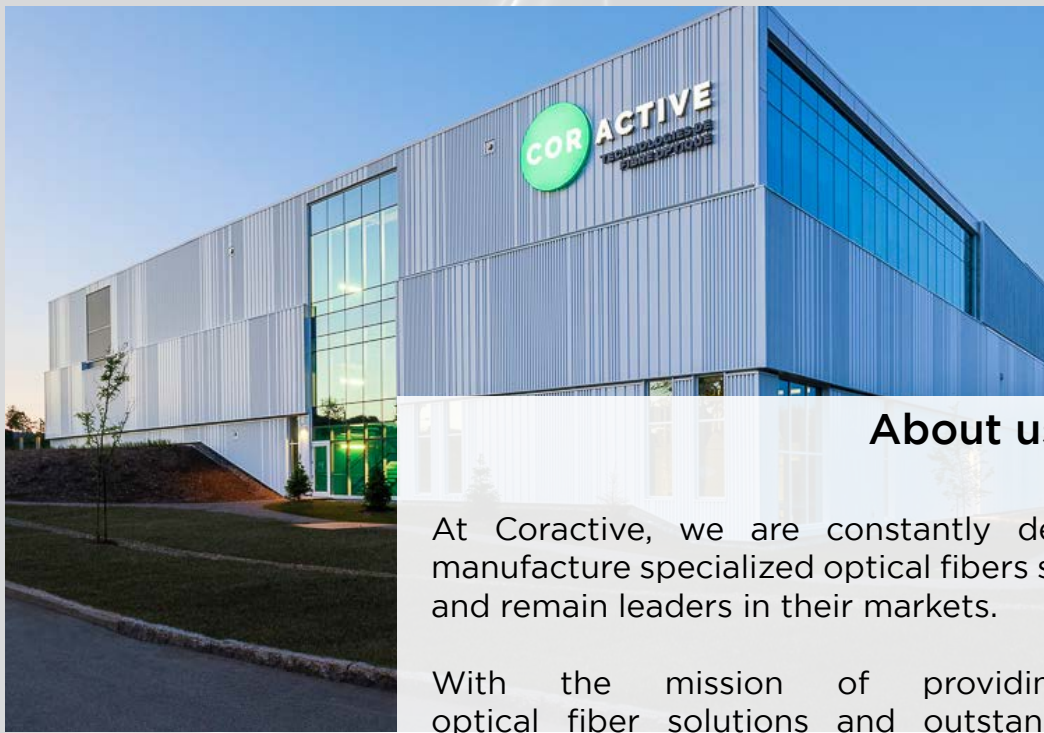




ACTIVE

OPTICAL FIBERS FOR SPACE 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 manufacture.

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

List of Optical Fibers for Space Applications

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Core Absorption @1530nm (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		Mid-level absorption & high efficiency
	ER8-6	6*	125	0.22	8		Low absorption & high efficiency
	SCF-ER35-10/125-12	10	125	0.12	35		High absorption and larger MFD
	EDF-L 1500	6*	125	0.21	21		Optimized for narrow line width (e.g. : fiber optics gyroscope light sources)
	ER35-7-PM	7*	125	0.2	35		High absorption and polarization maintaining
	ER50-7-PM	7*	125	0.21	50		Very high absorption and polarization maintaining

List of Optical Fibers for Space Applications

Fiber type	Model	Core Diameter (μm) or MFD*	Cladding Diameter (μm)	Core NA	Clad Absorption @915nm (dB/m)	Applications	Description
Ey Doped Double Clad Fibers	DCF-EY-6/128	6	128	0.2	0.9	High power 1.5 μm amplifiers	Single mode. Lower power or first stage of amplifiers
	DCF-EY-10/128H-G2	10	128	0.2	2.4	High power 1.5 μm amplifiers	Few moded fiber. 2 nd stage of amplifier.
	DCF-EY-12/130H	12	130	0.2	3.2	High power 1.5 μm 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 1.5 μm amplifiers	Few moded fiber. 2 nd stage of amplifier.
	DCF-EY-10/128P	10	128	0.11	2.9	High power 1.5 μm 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 1.5 μm amplifiers	Single mode. SMF 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 ¹	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	0.14	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	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	-	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	-		Match : DCF-EY-10/128P
	DCF-UN-16/125-16	16	125	0.16	-		Match : DCF-EY-16/128-18
	DCF-UN-25/250-11	25	250	0.11	-		Match : DCF-EY-25/250P
	DCF-UN-8/105/125-14/22-HTA	8	105	0.14	-		Match : DCF-EY-8/105/125-14/22-HTA
	DCF-UN-8/125-14-PM	8	125	0.14	-		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.
	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.

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

For additional information please contact our sales representatives.

sales@coractive.com | +1-866-845-2466

or visit our website at www.coractive.com

