COR ACTIVE

OPTICAL FIBERS
FOR TELECOM 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 Telecom Applications

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Core Absorption @1530nm (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	High absoprtion
	SCF-ER-6/125-14	6	125	0.14	45	L-Band EDFA	Gain extends to L band
	SCF-ER28-8/125-14-L[1]	8	125	0.136	28	L-Band EDFA	Gain > 1627 µm L++ Band
	SCF-ER50-8/125-14-L[1]	8	125	0.136	50	L-Band EDFA	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

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

List of Optical Fibers for Telecom Applications

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Clad absorption @915nm (dB/m)	Application	Description
EY Doped Double Clad Fibers	DCF-EY-6/128	6	128	0.2	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	2.4	CATV - High power 1.5 µm amplifiers	Few moded fiber. 2nd stage of amplifier.
	DCF-EY-10/128-G2-PM	10	128	0.2	2	High power 1.5 µm amplifiers	Polarization maintening
	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 maintening
Passive single clad	SCF-UN-8/125-14	8	125	0.14	-	Passive components and SMF match	Match DCF-EY-6/128 and DCF-EY-10/128H-G2. Single mode @1550
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	-		-
	DCF-UN-8/125-14-PM	8	125	0.14	-		Match Coractive's DCF-EY-10/128-G2-PM active fiber
Photosen-sitive fiber	UVS-INT-PMD3	5.1	125	0.2	-	-	Photosensitive to enable FBG writing for dispersion compensation.
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.

Fiber type	Model	Core Diameter (µm) or MFD*	Cladding Diameter (µm)	Core NA	Clad absorption @915nm (dB/m)	Application	Description
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
	SM-Raman-P	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.

For additional information please contact our sales representatives.

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or visit our website at **www.coractive.com**