

CorActive Overrun Fibers

CorActive manufactures Specialty Optical Fibers including rare-earth-doped, double clad, Mid-IR, UV sensitive, and attenuating fibers for applications in the industrial, telecom, defense&aerospace, sensing&environmental, medical, and scientific/research markets. CorActive offers a comprehensive selection of specialty fibers in different optical and geometrical configurations.

DESCRIPTION

Overrun fibers are surplus inventories from previous production runs or discontinued product lines. CorActive offers a broad selection of active or passive overrun fibers with different optical and geometrical properties.

AVAILABLE MODELS

EDF FIBERS

Erbium Doped Fibers for EDFA applications

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	MFD @ 1550nm (μm)	Core Absorption @ 1530 nm (dB/m)	Note
A4-MC-EF-125	N/A	125 \pm 0.5	0.22	6.5 \pm 0.6	4 \pm 1	
A12-HC-EF-125	N/A	125 \pm 0.5	0.22	6.5 \pm 0.6	12 \pm 2	
ER 103	5 \pm 1	125 \pm 2	0.18	7 \pm 1	4 \pm 1	Confined
EDF-C 300	N/A	125 \pm 0.5	0.20	7.3 \pm 0.6	4 \pm 2	
ER 304	4 \pm 0.5	125 \pm 1	0.18	N/A	> 4	
A6-HC-EF-125	N/A	125 \pm 0.5	0.22	6.5 \pm 0.6	6 \pm 2	
ER 205	5 \pm 1	125 \pm 1	0.18	7 \pm 1	6.5 \pm 1.0	Confined
EDF-C 600	N/A	125 \pm 0.5	0.20	7.3 \pm 0.6	7 \pm 2	
EDF-C 1400	N/A	125 \pm 0.5	0.20 \pm 0.02	7.3 \pm 0.6	18 \pm 2	N/A
EDF-L 1500	N/A	125 \pm 0.5	0.25 \pm 0.03	5.7 \pm 0.6	21 \pm 2	N/A
ER 107	5 \pm 1	125 \pm 1	0.18	7 \pm 1	10 \pm 1	Confined
ER 310	4 \pm 0.5	125 \pm 1	0.18	N/A	> 12	
ER 109	5 \pm 1	125 \pm 1	0.18	7 \pm 1	13.5 \pm 1.5	Confined
ER 112	5 \pm 1	125 \pm 1	0.18	7 \pm 1	15.5 \pm 1.5	Confined
EDF-HCO-4000	N/A	125 \pm 0.5	0.25	5.5 \pm 0.6	40 \pm 4	Confined
EDF-L4000-HCO	N/A	125 \pm 0.5	0.23	5.5 \pm 0.6	40 \pm 4	Confined
ER 123	5 \pm 1	125 \pm 1	0.18	N/A	> 40	

CorActive High-Tech, Inc.
2700 Jean-Perrin, Suite 121, Quebec City, QC
Canada G2C 1S9
Phone : 1-866-845-2466
E-mail : sales@coractive.com
www.coractive.com

CorActive
Specialty Optical Fiber Manufacturer

ACTIVE SINGLE CLAD FIBERS

Ytterbium (YB) Doped Single Clad Fibers							
Model	Core Diameter (μm)	Clad Diameter (μm)	MFD @ 1060nm (μm)	Core NA	Core Absorption @ 915nm (dB/m)	Birefringence	Note
YB 613	17 ± 2	125 ± 1	N/A	0.18	> 200	N/A	Confined ¹
YB 638	35 ± 3	125 ± 1	N/A	0.14	> 200	N/A	
YB-19-06	6.5 ± 0.5	125 ± 1	N/A	0.17	210 ± 30	N/A	
YB-17-05	5 ± 1	125 ± 1	N/A	0.19	225 ± 25	N/A	
YB 611	11 ± 1	125 ± 1	N/A	0.22	> 350	N/A	
TY 150	4.0 ± 0.5	125 ± 1	N/A	0.18	> 350	N/A	Terbium co-doped for reduced photodarkening

Erbium (ER) and Erbium/Ytterbium (EY) Doped Single Clad Fibers							
Model	Core Diameter (μm)	Clad Diameter (μm)	MFD @ 1550nm (μm)	Core NA	Core Absorption (dB/m)	Birefringence	Note
ER-09-22	22 ± 2	125 ± 1	N/A	0.09	20 ± 3 (@1535nm)	N/A	Confined ¹
ER-10-09	9.5 ± 0.5	125 ± 1	N/A	0.10	10 ± 4 (@1535nm)	N/A	
ER-10-30	30 ± 2	125 ± 1	N/A	0.10	40 ± 5 (@1535nm)	N/A	
ER 609	14 ± 1	125 ± 1	N/A	0.14	> 15 (@1535nm)	N/A	
ER 610	20 ± 2	125 ± 1	N/A	0.24	> 20 (@1535nm)	N/A	Graded Index
ER 612	17 ± 1	125 ± 1	N/A	0.14	> 22 (@1535nm)	N/A	
ER 619	30 ± 3	125 ± 2	N/A	0.18	> 25 (@1535nm)	N/A	
ER 620	10 ± 1	125 ± 1	N/A	0.10	> 40 (@1535nm)	N/A	
ER 634	22 ± 2	125 ± 2	N/A	0.18	> 60 (@1535nm)	N/A	
ER 708	5 ± 1	125 ± 1	5.5 ± 0.5	0.20	> 15 (@1535nm)	N/A	Lanthane co-doped
EY-17-07	7 ± 1	125 ± 1	N/A	0.17	130 ± 5 (@915nm)	N/A	
EY-18-06	6 ± 1	125 ± 1	N/A	0.18	400 ± 20 (@915nm)	N/A	
EY 104	N/A	125 ± 1	12 ± 1	0.14	> 600 (@976nm)	N/A	
EY 203	N/A	125 ± 1	8.5 ± 1.0	0.14	> 500 (@976nm)	N/A	Confined ¹
EY 304	N/A	125 ± 1	8 ± 1	0.14	> 300 (@976nm)	N/A	Confined ¹
EY 375	N/A	125 ± 4	8 ± 1	0.18	> 600 (@976nm)	≥ 1.4E-04	PM
EY 500	12 ± 1	125 ± 1	N/A	0.18	> 450 (@976nm)	N/A	
EY 501	14 ± 1	125 ± 1	N/A	0.18	> 500 (@976nm)	N/A	
EY 506	14 ± 1	125 ± 1	N/A	0.18	> 550 (@976nm)	N/A	
EY 600	14 ± 1	125 ± 1	N/A	0.18	> 600 (@976nm)	N/A	
EY 602	30 ± 2	125 ± 1	N/A	0.18	> 200 (@976nm)	N/A	Confined ¹
EY 650	11 ± 1	125 ± 1	N/A	0.22	> 900 (@976nm)	N/A	

Note 1: A confined optical fiber refers to an active fiber where only a fraction of the core is doped. This is typically done to improve fiber efficiency.

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com

CorActive
 Specialty Optical Fiber Manufacturer

ACTIVE SINGLE CLAD FIBERS (CONTINUED)

Neodymium (ND) Doped Single Clad Fibers						
Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Clad Absorption @ 805nm (dB/m)	Birefringence	Note
ND 001	4.0 ± 0.5	125 ± 1	0.14	> 0.1	N/A	
ND 009	4.0 ± 0.5	125 ± 1	0.18	> 8	N/A	
ND 100	4.0 ± 0.5	125 ± 1	0.18	> 1.5	N/A	
ND 107	4.0 ± 0.5	125 ± 1	0.18	> 70	N/A	
ND 121	6 ± 1	125 ± 1	0.14	> 200	N/A	
ND 201	7 ± 1	125 ± 1	0.10	> 15	N/A	
ND 507	30 ± 1	125 ± 4	0.14	> 60	N/A	
ND 509	28 ± 1	125 ± 1	0.14	> 60	N/A	
ND 515	4.5 ± 0.5	125 ± 1	0.22	> 10	> 1.3E-04	PM
ND 523	12 ± 1	125 ± 1	0.22	> 200	N/A	
ND 529	25 ± 1	125 ± 3	0.14	> 250	N/A	
ND 531	25 ± 1	125 ± 2	0.14	> 250	N/A	

ACTIVE DOUBLE-CLAD FIBERS

Erbium (ER) and Erbium/Ytterbium (EY) Doped Double Clad Fibers							
Model	Core Diameter (μm)	Clad Diameter (μm)	MFD @ 1550nm (μm)	Core NA	Clad Absorption (dB/m)	Birefringence	Note
ER 913	8.5 ± 1.0	18	N/A	0.12	1.5 ± 1.0 (@975nm)	N/A	Silica/Silica
ER 916	26 ± 1	62.5	N/A	0.12	6 ± 1 (@975nm)	N/A	Silica/Silica
HPA-ER-35-01	35 ± 2	125 ± 5	N/A	0.09	1.0 ± 0.5 (@975nm)	N/A	
HPA-ER-35-02	35 ± 5	110 ± 10	N/A	0.16	1.9 ± 0.4 (@975nm)	N/A	
HPA-ER-70-01	70 ± 5	220 ± 25	N/A	0.16	1.9 ± 0.4 (@975nm)	N/A	
HPA-ER-70-02	70 ± 5	240 ± 25	N/A	0.15	1.3 (@975nm)	N/A	
EY 802-1	6.5 ± 1.0	125	N/A	0.18	1.0 ± 0.3 (@915nm)	N/A	
DCF-EY-7/125-HA	7 ± 1	125	N/A	0.20	1.0 ± 0.25 (@915nm) 75 ± 25 (@1535nm)	N/A	
EY 705	12 ± 1	125	N/A	0.14	1.3 ± 0.3 (@915nm)	N/A	
HPA-EY-12/130-02	12 ± 2	130 ± 2	N/A	0.20	2.85 ± 1.25 (@976nm)	N/A	
HPA-EY-12-01	12 ± 2	130 ± 5	N/A	0.19	2.85 ± 1.25 (@976nm)	N/A	
EY 811	15 ± 1	175	N/A	0.18	> 7 (@976nm)	N/A	
DCF-EY-23/210-HA	23.5 ± 2	210 ± 10	N/A	0.21	5 ± 1 (@915nm)	N/A	
EY 803	30 ± 1	350	N/A	0.14	1.0 ± 0.3 (@915nm)	N/A	
DCF-EY-10/130-PM-RB	10 ± 2	130 ± 3	N/A	0.20	2.0 ± 0.5 (@915nm) 85 ± 25 (@1535nm)	≥ 1.2E-04	PM

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com


 Specialty Optical Fiber Manufacturer

ACTIVE DOUBLE CLAD FIBERS (CONTINUED)

Ytterbium (YB) Doped Double Clad Fibers							
Model	Core Diameter (μm)	Clad Diameter (μm)	MFD @ 1060nm (μm)	Core NA	Clad Absorption @ 915nm (dB/m)	Birefringence	Note
YB 801	4.5 \pm 1.0	125 \pm 3	N/A	0.14	0.7 \pm 0.2	N/A	
YB 701	5 \pm 1	225 \pm 2	N/A	0.14	0.3 \pm 0.1	N/A	All glass
YB 708	7.0 \pm 0.5	32	N/A	0.12	8 \pm 1 (@976nm)	N/A	Graded-index, All glass
DC-YB-7/128-17-01	7 \pm 1	128 \pm 3	N/A	0.17	0.5 \pm 0.1	N/A	
DC-YB-8/128-10-01	8 \pm 1	128 \pm 3	N/A	0.10	0.95 \pm 0.20	N/A	
PED-YB-10-50-01	10 \pm 1	200 \pm 20	N/A	0.08	0.9 \pm 0.3	N/A	
DCF-YB-13/250-RNA	12.5 \pm 1.0	250 \pm 10	N/A	0.07	0.65 \pm 0.25	N/A	
DC-YB-13/55/250-02	12.5 \pm 1.3	250 \pm 10	N/A	0.08	1.1 \pm 0.2	N/A	
YB 812	12.5 \pm 1.0	125	N/A	0.14	4 \pm 1	N/A	
DC-YB-13/128-21-01	13 \pm 1	128 \pm 3	N/A	0.21	3.8 \pm 0.8	N/A	
YB 909	14.5 \pm 1.0	62.5	N/A	0.12	9 \pm 1 (@976nm)	N/A	Graded-index
YB 813	20 \pm 1	250	N/A	0.14	3.5 \pm 0.5	N/A	
DCF-YB-25/128	25 \pm 2	128 \pm 3	N/A	0.10	6.5 \pm 1.0	N/A	
HPA-YB-25-07	25 \pm 1	128 \pm 3	N/A	0.095	1.9 \pm 0.1	N/A	
HPA-YB-25-08	25 \pm 1	250 \pm 10	N/A	0.09	1.5 \pm 0.3	N/A	
HPA-YB-25-10	25 \pm 3	250 \pm 10	N/A	0.075	1.55 \pm 0.3	N/A	
YB 513	25 \pm 1	250	N/A	0.14	5 \pm 1	N/A	
YB 514	25 \pm 1	250	N/A	0.14	3.5 \pm 0.5	N/A	
HPA-YB-34-01	33.5 \pm 2.5	405 \pm 5	N/A	0.14	2.0 \pm 0.3	N/A	
HPA-YB-37-01	37	125 \pm 5	N/A	0.14	8 \pm 2	N/A	
HPA-YB-140-02	140 \pm 10	400 \pm 10	N/A	0.07	6.5 \pm 1.0	N/A	
YB 630	7 x 20	32 x 59	N/A	0.18	140 \pm 40	N/A	Elliptical, Graded-index & PM

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com


 Specialty Optical Fiber Manufacturer

ACTIVE DOUBLE CLAD FIBERS (CONTINUED)

Thulium (TM) Doped Double Clad Fibers

Model	Core Diameter (μm)	Clad Diameter (μm)	MFD @ 1550nm (μm)	Core NA	Clad Absorption @ 790nm (dB/m)	Birefringence	Note
LAS-TM-55-01	55 ± 6	400 ± 40	N/A	0.20	7.4 ± 0.7	N/A	
LAS-TM-70-01	70 ± 7	450 ± 45	N/A	0.20	6.7 ± 0.7	N/A	
LAS-TM-70-02	70 ± 7	515 ± 45	N/A	0.20	6.5	N/A	
TM 603	20 ± 1	300	N/A	0.17	≥ 2	N/A	

Neodymium (ND) Doped Double Clad Fibers

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Clad Absorption @ 805nm (dB/m)	Birefringence	Note
ND 703	1.7 x 10.3	102.5	N/A	≥ 0.3	N/A	W Shaped , Elliptical core

PASSIVE SINGLE CLAD FIBERS

Passive Single Clad Fibers

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
SI-11-09	8.7 ± 1.2	125 ± 2	0.11	
SI-14-22	22 ± 1	125 ± 2	0.14	
SI-06-28	28 ± 1	400 ± 15	0.06	
SI-08-30	30 ± 2	125 ± 2	0.08	
SI-27-03	2.5 ± 0.5	125 ± 2	0.27	
SM-GE-850-VLNA	7.5	125 ± 2	0.10	
SM-GE-780-LNA	4.0	125 ± 2	0.14	
SM-GE-850-LNA	4.0	125 ± 2	0.14	
SM-GE-1310-LNA	6.5	125 ± 2	0.14	
SM-GE-1550-LNA	7.5	125 ± 2	0.14	
SM-GE-1650-HNA	5.0	125 ± 2	0.26	
MM-20/125-VLNA	20	125 ± 2	0.08	
MM-12/125	12	125 ± 2	0.14	
MM-14.5/125	14.5	125 ± 2	0.14	
MM-15.5/125	15.5	125 ± 2	0.14	
MM-17.5/125	17.5	125 ± 2	0.14	
MM-22.5/125	22.5	125 ± 2	0.14	
MM-25/125	25	125 ± 2	0.14	
MM-35/125	35	125 ± 2	0.14	
MM-50/125	50	125 ± 2	0.14	
MM-12/125-MNA	12	125 ± 2	0.18	
MM-18.5/125-MNA	18.5	125 ± 2	0.18	
MM-26/125-MNA	26	125 ± 2	0.18	
MM-25/125-HNA	25	125 ± 2	0.22	
MM-45/125-HNA	45	125 ± 2	0.22	

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com

CorActive
 Specialty Optical Fiber Manufacturer

PASSIVE SINGLE CLAD FIBERS (CONTINUED)

Hard Clad Polymer Single Clad Fiber

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
MM-60/0.47	60	105	0.47	
MM-105/0.47	105	170	0.47	
MM-270/0.40	270	345	0.40	
MM-550/0.40	550	581	0.40	

Pure Silica Core Single Clad Fiber

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
MM-135/150-AL	135	150	0.18	Aluminum Coated
MM-150/167-AL	150	167	0.18	Aluminum Coated
MM-115/161-AL	115	161	0.22	Aluminum Coated
MM-113/125-AL	113	125	0.22	Aluminum Coated
MM-113/125	113	125	0.22	
MM-993/1200	993	1200	0.14	

Aluminosilicate Single Clad Fibers

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
SM-AL-1550	9.0	125	0.14	

Phosphosilicate Single Clad Fiber

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
SM-RAMAN-P	4.0	125	0.18	

W-Shaped Core Single Clad Fiber

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
SM-WP-500	3.0	125	0.10	
SM-WP-1550	7.0	125	0.22	
SM-WP-1650	5.5	125	0.22	

Single Clad Fiber with Reduced Cladding

Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note
SM-GE-1060-RDF	5.0	80	0.14	
SM-GE-1310-RDF	5.0	80	0.22	

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com


 Specialty Optical Fiber Manufacturer

PASSIVE SINGLE CLAD FIBERS (CONTINUED)

Gradex-Index Single Clad Fiber				
Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note

MM-60/80-GRIN	60	80	0.22	
---------------	----	----	------	--

Graded-Index Fluorosilicate Single Clad Fiber				
Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note

MM-100/125-F	100	125	0.10	
MM-95/125-F	95	125	0.10	

PASSIVE DOUBLE CLAD FIBERS

Passive Double Clad Fibers				
Model	Core Diameter (μm)	Clad Diameter (μm)	Core NA	Note

REL-UN-06-01	7.0 ± 0.3	110 ± 10	0.12	All Glass
REL-UN-17-02	17 ± 2	400 ± 15	0.11	
DCF-UN-10/123-08	10.0 ± 1.0	123 ± 2	0.08 ± 0.005	
GE 700	6 ± 1	85	0.20	All Glass
GE 709	10 ± 1	40	0.12	All Glass
GE 710	10 ± 1	60	0.12	All Glass
GE 805	12 ± 1	105	0.18	
GE 812	12 ± 1	125	0.18	
GE 825	25 ± 1	200	0.18	
GE 900	8 ± 1	126	0.12	

CorActive High-Tech, Inc.
 2700 Jean-Perrin, Suite 121, Quebec City, QC
 Canada G2C 1S9
 Phone : 1-866-845-2466
 E-mail : sales@coractive.com
 www.coractive.com


 Specialty Optical Fiber Manufacturer