

# CorActive Passive Fibers

## For Component & Laser Delivery Applications

CorActive offers one of the most extensive selections of passive component and laser delivery fibers on the market. CorActive passive fibers are matched to CorActive active fibers and other commercially available active fibers. CorActive passive component and laser delivery fibers are available in single-clad, double-clad and photosensitive versions.

### ADVANTAGES

- Matched to CorActive and other commercially available active fibers
- Extensive product selection to suit most fiber laser and amplifier applications
- Circular clad design ensures easier cleaving and splicing
- Custom products available upon request

### APPLICATIONS

- Fiber laser beam delivery
- Fiber laser and amplifier component manufacturing (Pump combiners, isolators, etc.)
- Fiber Bragg Grating manufacturing

### SPECIFICATIONS

Single-Clad Fibers				
Model	Core Diameter	Clad Diameter	Core NA	Matched CorActive Active Fiber
SM-GE-1060-LNA	5.0 ± 1.0	125 ± 2	0.14 ± 0.02	
SCF-UN-6/125-12	6.0 ± 1.0	125 ± 2	0.12 ± 0.01	DCF-YB-6/125
SCF-UN-8/125-10	8.0 ± 1.0	125 ± 2	0.10 ± 0.01	
SCF-UN-8/125-14	8.0 ± 1.0	125 ± 2	0.14 ± 0.01	DCF-EY-7/128, DCF-EY-10/128
SCF-UN-8/125-17	8.0 ± 1.0	125 ± 2	0.17 ± 0.02	
SCF-UN-10/125-08	10.0 ± 1.0	125 ± 2	0.08 ± 0.01	DC-YB-10/128-08-02
SCF-UN-10/200-08	10.0 ± 1.0	200 ± 4	0.08 ± 0.01	
SCF-UN-11/125-21	11.0 ± 1.0	125 ± 2	0.21 ± 0.02	DCF-YB-10/128-FA
MM-13.5/125	13.5 ± 2.0	125 ± 2	0.14 ± 0.02	
SCF-UN-15/125-11	15.0 ± 1.0	125 ± 2	0.11 ± 0.01	
MM-15/125-VHNA	15.0 ± 2.0	125 ± 2	0.28 ± 0.02	
SCF-UN-17/200-18	17.0 ± 2.0	195 ± 4	0.18 ± 0.02	DCF-EY-17/200
SCF-UN-18/125-20	18.0 ± 2.0	125 ± 2	0.20 ± 0.02	
SCF-UN-20/125-06	20.0 ± 2.0	125 ± 2	0.06 ± 0.01	
SCF-UN-20/125-08	20.0 ± 2.0	125 ± 2	0.08 ± 0.01	DCF-YB-20/128, DCF-YB-20/130, DCF-YB-20/128-FCN
SCF-UN-20/125-12	20.0 ± 2.0	125 ± 2	0.12 ± 0.01	DCF-YB-20/128P-FA
MM-20/125	20.0 ± 2.0	125 ± 2	0.14 ± 0.02	
SCF-UN-20/200-06	20.0 ± 2.0	200 ± 4	0.06 ± 0.01	

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**CorActive**  
 Specialty Optical Fiber Manufacturer

## Single-Clad Fibers (Continued)

Model	Core Diameter	Clad Diameter	Core NA	Matched CorActive Active Fiber
SCF-UN-20/250-08	20.0 ± 2.0	250 ± 5	0.08 ± 0.01	
SCF-UN-20/400-06	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	
SCF-UN-25/125-10	25.0 ± 2.0	125 ± 2	0.10 ± 0.02	
SCF-UN-30/250-11	30.0 ± 3.0	250 ± 5	0.11 ± 0.01	DCF-YB-30/250, DCF-YB-30/250P-FA
SCF-UN-50/125-13	50.0 ± 5.0	125 ± 2	0.13 ± 0.01	
SCF-UN-50/400-12	50.0 ± 5.0	400 ± 8	0.12 ± 0.01	DCF-YB-50/400P-FA
SCF-UN-105/125-15	105 ± 3.0	125 ± 2	0.15 ± 0.01	
SCF-UN-105/125-22	105 ± 3.0	125 ± 2	0.22 ± 0.02	

## Double-Clad Fibers

Model	Core Diameter	Clad Diameter	Core NA	Matched CorActive Active Fiber
DCF-UN-6/125-12	6.5 ± 1.0	125 ± 2	0.12 ± 0.02	DCF-YB-6/125
DCF-UN-6/125-14	5.5 ± 1.0	125 ± 2	0.14 ± 0.02	
DCF-UN-6/123-23	6.0 ± 1.0	123 ± 2	0.23 ± 0.02	DCF-TM-6/125
DCF-UN-8/125-10	8.0 ± 1.0	125 ± 2	0.10 ± 0.01	
DCF-UN-8/125-14	8.0 ± 1.0	125 ± 2	0.14 ± 0.02	DCF-EY-7/128, DCF-EY-10/128
DCF-UN-8/200-10	8.0 ± 1.0	195 ± 4	0.10 ± 0.01	
DCF-UN-10/125-08	10.0 ± 1.0	125 ± 2	0.08 ± 0.005	DCF-YB-10/128
DCF-UN-10/125-11	10.0 ± 1.0	125 ± 2	0.11 ± 0.01	
DCF-UN-10/200-08	10.0 ± 1.0	200 ± 4	0.08 ± 0.01	
DCF-UN-10/200-12	10.0 ± 1.0	195 ± 4	0.12 ± 0.02	
DCF-UN-10/250-10	10.0 ± 1.0	250 ± 45	0.10 ± 0.01	
GE 829	12.0 ± 1.0	125 ± 2	0.12 ± 0.02	
DCF-UN-13/250-08	12.5 ± 1.0	250 ± 5	0.08 ± 0.01	
DCF-UN-15/125-13	15.0 ± 1.0	125 ± 2	0.13 ± 0.01	DCF-YB-15/128P-FA
DCF-UN-15/125P-14	15.0 ± 2.0	125 ± 2	0.14 ± 0.02	DCF-YB-15/128P-FA
DCF-UN-17/200-18	17.0 ± 2.0	195 ± 4	0.18 ± 0.02	DCF-EY-17/200
DCF-UN-20/125-06	20.0 ± 2.0	125 ± 2	0.06 ± 0.01	
DCF-UN-20/125-08	20.0 ± 2.0	125 ± 2	0.08 ± 0.01	DCF-YB-20/128P, DCF-YB-20/128-HCN
DCF-UN-20/125-11	20.0 ± 2.0	125 ± 2	0.11 ± 0.01	DCF-YB-20/128P-FA
GE 720	20.0 ± 2.0	250 ± 5	0.08 ± 0.01	
DCF-UN-20/400-06	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	
DCF-UN-25/125-10	25.0 ± 2.0	125 ± 2	0.10 ± 0.01	
DCF-UN-25/250-08	25.0 ± 2.0	250 ± 5	0.08 ± 0.01	DCF-YB-25/250
DCF-UN-25/400-11	25.0 ± 2.0	400 ± 8	0.11 ± 0.01	
DCF-UN-30/250-08	30.0 ± 3.0	250 ± 5	0.08 ± 0.01	DCF-YB-30/250
DCF-UN-30/250-11	30.0 ± 3.0	250 ± 5	0.11 ± 0.01	DCF-YB-30/250P-FA
GE 740	40.0 ± 4.0	400 ± 8	0.06 ± 0.01	
DCF-UN-50/400-12	50.0 ± 5.0	400 ± 8	0.12 ± 0.01	DCF-YB-50/400P-FA
DCF-UN-50/400-15	50.0 ± 5.0	385 ± 8	0.15 ± 0.01	
DCF-UN-70/250-20	70.0 ± 7.0	250 ± 10	0.20 ± 0.02	DCF-ER-70/250

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## High NA Coreless Fibers

Model	Core Diameter	Clad Diameter	Core NA	Application
HCF-125-47	125 ± 2	165 (typ)	> 0.46	Laser Delivery, Illumination
HCF-250-47	250 ± 5	315 (typ)	> 0.46	Laser Delivery, Illumination
MM-200/0.47	200 ± 4	265 (typ)	> 0.46	Laser Delivery, Illumination
MM-400/0.47	400 ± 8	470 (typ)	> 0.46	Laser Delivery, Illumination
MM-600/0.47	600 ± 12	620 (typ)	> 0.46	Laser Delivery, Illumination

## Photosensitive Fibers

Model	Core Diameter	Clad Diameter	Core NA	Application
SCF-UN-13/330-07-PS	12.5 ± 1.0	330 ± 7	0.07 ± 0.01	Fiber Laser Bragg Gratings
DCF-UN-13/250-07-PS	12.5 ± 1.0	250 ± 5	0.07 ± 0.01	Fiber Laser Bragg Gratings
DCF-UN-20/400-06-PS	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	Fiber Laser Bragg Gratings

## Polarization-Maintaining Fibers

Model	MFD	Core Diameter	Clad Diameter	Core NA	Application
SCF-UN-3/125-25-PM	4.0 (typical)	N/A	125 ± 2	0.25 ± 0.02	Nonlinear Applications
SM-GE-1060-LNA-PM	6.8 (typical)	N/A	125 ± 2	0.14 ± 0.02	
DCF-UN-6/125-14-PM	N/A	5.5 ± 1.0	125 ± 2	0.14 ± 0.01	Matched to DCF-YB-6/128-PM
DCF-UN-8/125-14-PM	N/A	8.0 ± 1.0	125 ± 2	0.14 ± 0.01	Matched to DCF-EY-10/128-PM
DCF-UN-10/125-08-PM	N/A	10.0 ± 1.0	125 ± 2	0.08 ± 0.01	Matched to DCF-YB-12/125-PM

## Highly Nonlinear Fibers

Model	MFD	Core Diameter	Clad Diameter	Core NA	Notes
SCF-UN-3/125-25	4.0 (typical)	3.0 ± 0.5	125 ± 2	0.25 ± 0.02	Small Effective Area (Aeff) Fiber
SCF-UN-3/125-25-PM	4.0 (typical)	3.0 ± 0.5	125 ± 2	0.25 ± 0.02	PM Small Effective Area (Aeff) Fiber
SCF-UN-9/125-12-RM	N/A	9 ± 1	125 ± 3	0.12 ± 0.02	Raman Phosphosilicate Fiber
SM-RAMAN-P	4.0 (typical)	6.2 ± 1.0	125 ± 3	0.18 (typ)	Raman Phosphosilicate Fiber
IRT-SU-7/170	N/A	7 ± 1	170 ± 5	0.26 ± 0.02	Chalcogenide Glass Fiber

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