

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
SCF-UN-6/125-12	6.0 ± 1.0	125 ± 2	0.12 ± 0.01	
SCF-UN-8/125-14	8.0 ± 1.0	125 ± 2	0.14 ± 0.01	DCF-EY-6/128, DCF-EY-6/105/125, DCF-EY-10/128, DCF-TM-12/128P, SCF-TM-8/125
SCF-UN-8/125-18	8.0 ± 1.0	125 ± 1	0.18 ± 0.01	DCF-TM-10/128
SCF-UN-10/125-08	10.0 ± 1.0	125 ± 2	0.08 ± 0.01	DC-YB-10/128E
SCF-UN-10/200-08	10.0 ± 1.0	200 ± 4	0.08 ± 0.01	
SCF-UN-15/125-11	15.0 ± 1.0	125 ± 2	0.11 ± 0.01	
SCF-UN-17/200-18	17.0 ± 2.0	195 ± 4	0.18 ± 0.02	DCF-EY-17/200, DCF-EY-23/210
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-20/128E
SCF-UN-20/125-100	20.0 ± 1.0	125 ± 2	0.100 ± 0.005	DCF-YB-20/128E, DCF-YB-20/128P-FA
SCF-UN-20/250-08	20.0 ± 2.0	250 ± 5	0.08 ± 0.01	
SCF-UN-20/250-11	20.0 ± 2.0	250 ± 5	0.11 ± 0.01	
SCF-UN-20/400-06	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	
SCF-UN-25/250-08	25.0 ± 2.0	250 ± 5	0.080 ± 0.005	DCF-UN-25/250E, DCF-EY-28/250
SCF-UN-30/250-070	30.0 ± 3.0	250 ± 5	0.070 ± 0.005	DCF-UN-30/250E
SCF-UN-30/250-11	30.0 ± 3.0	250 ± 5	0.11 ± 0.01	DCF-YB-30/250P-FA

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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-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-3/125-25	3.0 ± 0.5	125 ± 2	0.25 ± 0.02	
SCF-UN-3/125-25-PM	3.0 ± 0.5	125 ± 2	0.25 ± 0.02	

Double-Clad Fibers

Model	Core Diameter	Clad Diameter	Core NA	Matched CorActive Active Fiber
DCF-UN-6/125-14	5.5 ± 1.0	125 ± 2	0.14 ± 0.02	DCF-YB-6/128, DCF-YB-6/128S
DCF-UN-6/125-14-PM	5.5 ± 1.0	125 ± 2	0.14 ± 0.01	DCF-YB-6/128S-PM
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-6/128, DCF-EY-10/128, DCF-TM-12/128P
DCF-UN-8/105/125-14	8.0 ± 1.0	125 ± 2	0.14 ± 0.01	DCF-EY-6/105/125
DCF-UN-8/125-14-PM	8.0 ± 1.0	125 ± 2	0.14 ± 0.01	DCF-EY-10/128-PM
DCF-UN-8/125-18	8.0 ± 1.0	125 ± 2	0.18 ± 0.01	DCF-TM-10/128
DCF-UN-8/200-10	8.0 ± 1.0	195 ± 4	0.10 ± 0.01	
DCF-UN-8/250-10	8.0 ± 1.0	245 ± 10	0.10 ± 0.01	
DCF-UN-10/125-08	10.0 ± 1.0	125 ± 2	0.080 ± 0.005	DCF-YB-10/128E
DCF-UN-10/125-08-PM	10.0 ± 1.0	125 ± 2	0.08 ± 0.01	DCF-YB-12/125-PM
DCF-UN-10/200-08	10.0 ± 1.0	200 ± 4	0.08 ± 0.01	
DCF-UN-10/250-10	10.0 ± 1.0	250 ± 45	0.10 ± 0.01	
DCF-UN-17/200-18	17.0 ± 2.0	195 ± 4	0.18 ± 0.02	DCF-EY-17/200, DCF-EY-23/210
DCF-UN-20/125-06	20.0 ± 2.0	125 ± 2	0.06 ± 0.01	
DCF-UN-20/125-080	20.0 ± 1.0	125 ± 2	0.080 ± 0.005	DCF-YB-20/128E
DCF-UN-20/125-100	20.0 ± 1.0	125 ± 2	0.100 ± 0.005	DCF-YB-20/128E, DCF-YB-20/128P-FA
DCF-UN-20/125M				DCF-YB-20/128P-FA
DCF-UN-20/250-070	20.0 ± 2.0	250 ± 5	0.070 ± 0.005	DCF-YB-25/250E
DCF-UN-20/250-080	20.0 ± 2.0	250 ± 5	0.080 ± 0.005	DCF-YB-25/250E
DCF-UN-20/400-06	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	
DCF-UN-20/400-06-PS	20.0 ± 2.0	400 ± 8	0.06 ± 0.01	
DCF-UN-25/250-08	25.0 ± 2.0	250 ± 5	0.08 ± 0.01	DCF-YB-25/250E, DCF-EY-28/250
DCF-UN-25/400-11	25.0 ± 2.0	400 ± 8	0.11 ± 0.01	DCF-TM-20/400P
DCF-UN-30/250-070	30.0 ± 3.0	250 ± 5	0.070 ± 0.005	DCF-YB-30/250E
DCF-UN-30/250-11	30.0 ± 3.0	250 ± 5	0.11 ± 0.01	DCF-YB-30/250P-FA
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	

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 Specialty Optical Fiber Manufacturer

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-200-47	200 ± 4	265 (typ)	> 0.46	Laser Delivery, Illumination
HCF-250-47	250 ± 5	315 (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

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-6/128S-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	Small Effective Area (Aeff) PM Fiber
SCF-UN-9/125-12-RM	N/A	9 ± 1	125 ± 3	0.12 ± 0.02	Raman Phosphosilicate Fiber
SM-RAMAN-P	6.2 (typical)	4.0 ± 1.0	125 ± 3	0.18 (typ)	Raman Phosphosilicate Fiber
IRT-SE-6/170	N/A	6 ± 1	170 ± 5	0.175 ± 0.015	Chalcogenide Glass Fiber

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