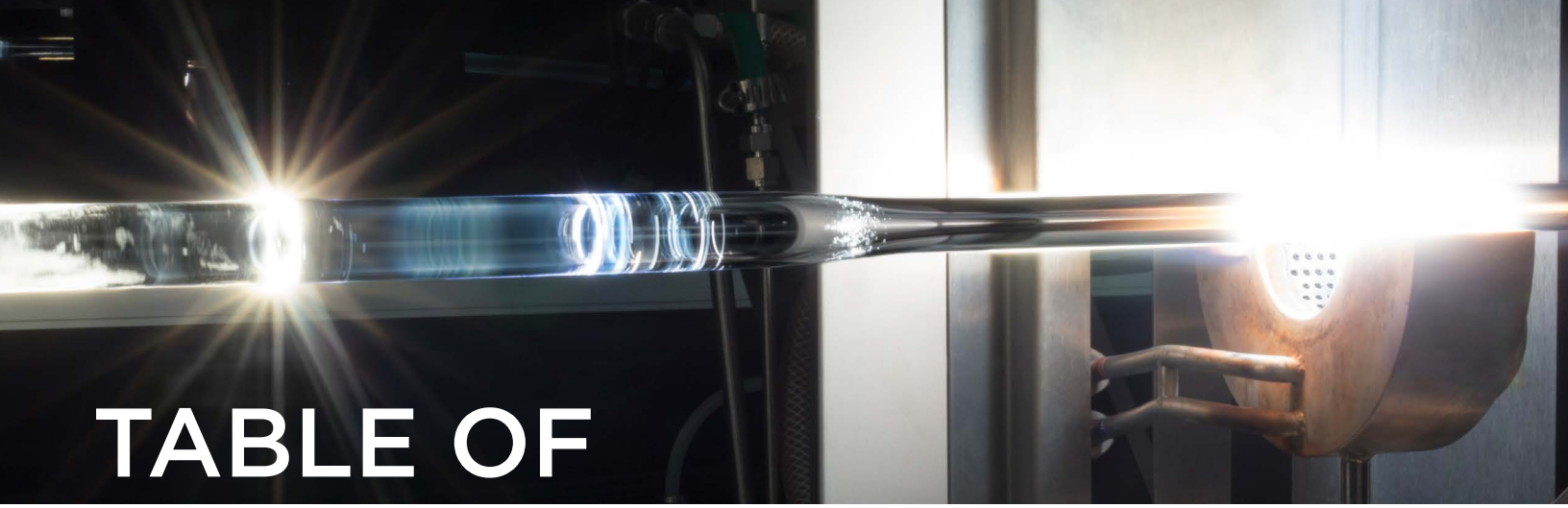
COR ACTIVE

# OPTICAL FIBERS
## COMPLETE OFFERING



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# ABOUT US

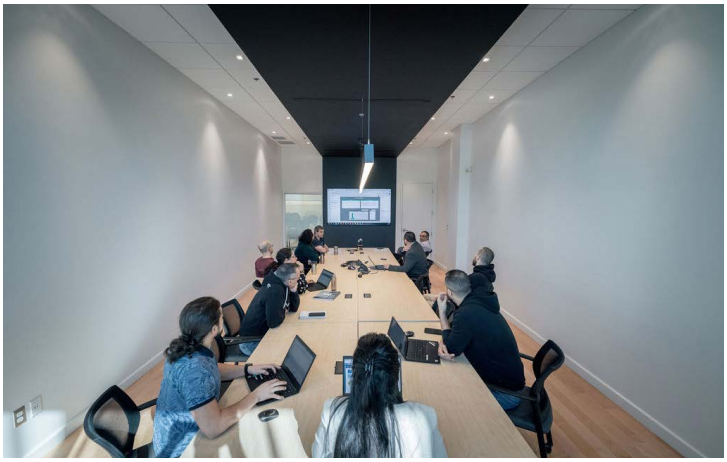
At Coractive, we are constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets.

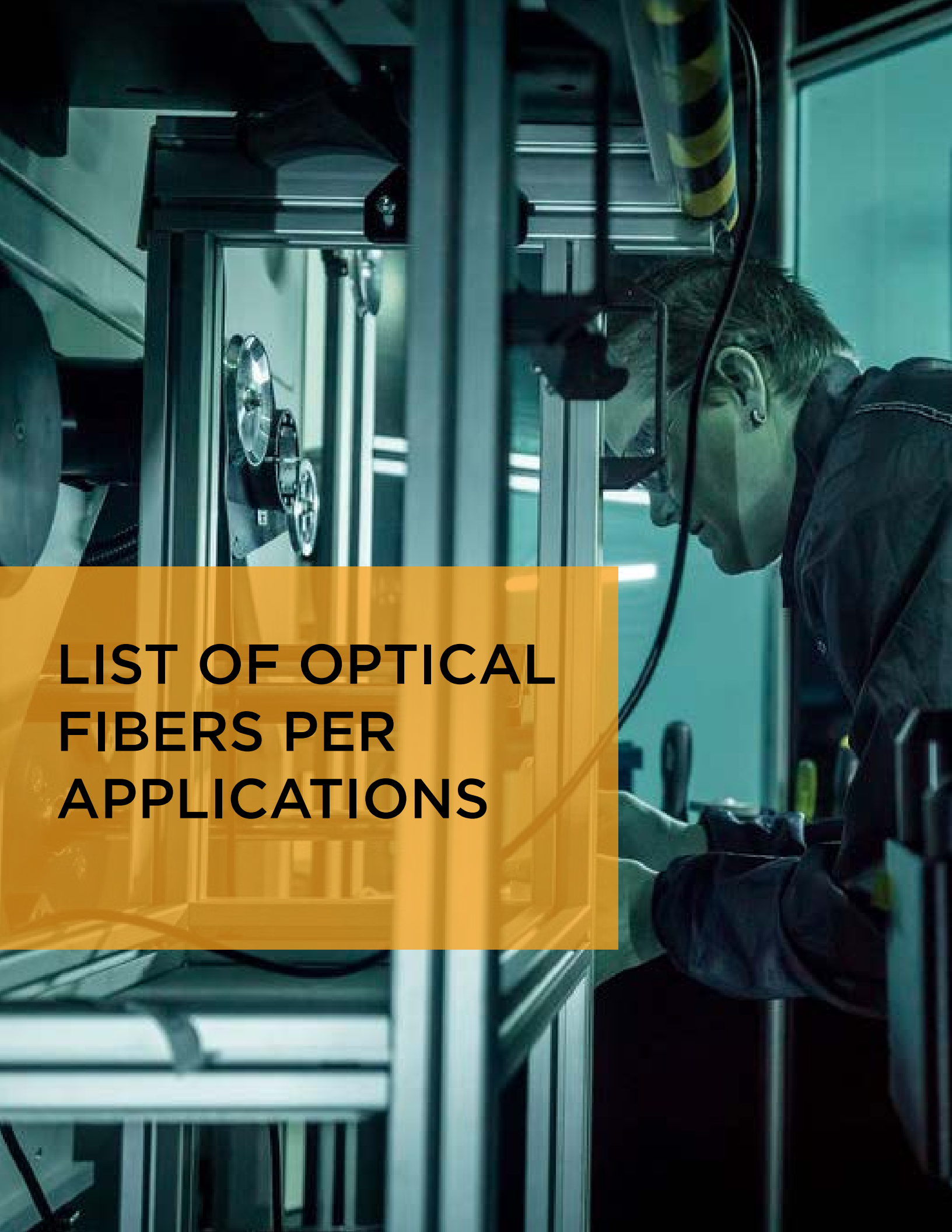
With the mission of providing the highest quality optical fiber solutions and outstanding customer service, we specialize in optical fiber design and manufacture, certified ISO 9001:2015. From glass preform to testing and measurement, we have a complete control on the manufacturing process, to ensure you quality and lower costs.

In answer to the specific needs of customers in the industrial, telecommunications, detection (LiDAR), medical and scientific markets, Coractive relies on a network of distributors in North America, Europe and Asia.

Our commitment: to support our customers over their product lifetime, from R&D and prototyping, through their ramp-up phase and towards their full-scale production stage.

Founded in 1998 and based in Quebec City, Canada, Coractive can count on more than 50 employees. Our team of specialists has since helped to deliver tried and tested solutions throughout the world.





# LIST OF OPTICAL FIBERS PER APPLICATIONS

# INDUSTRIAL

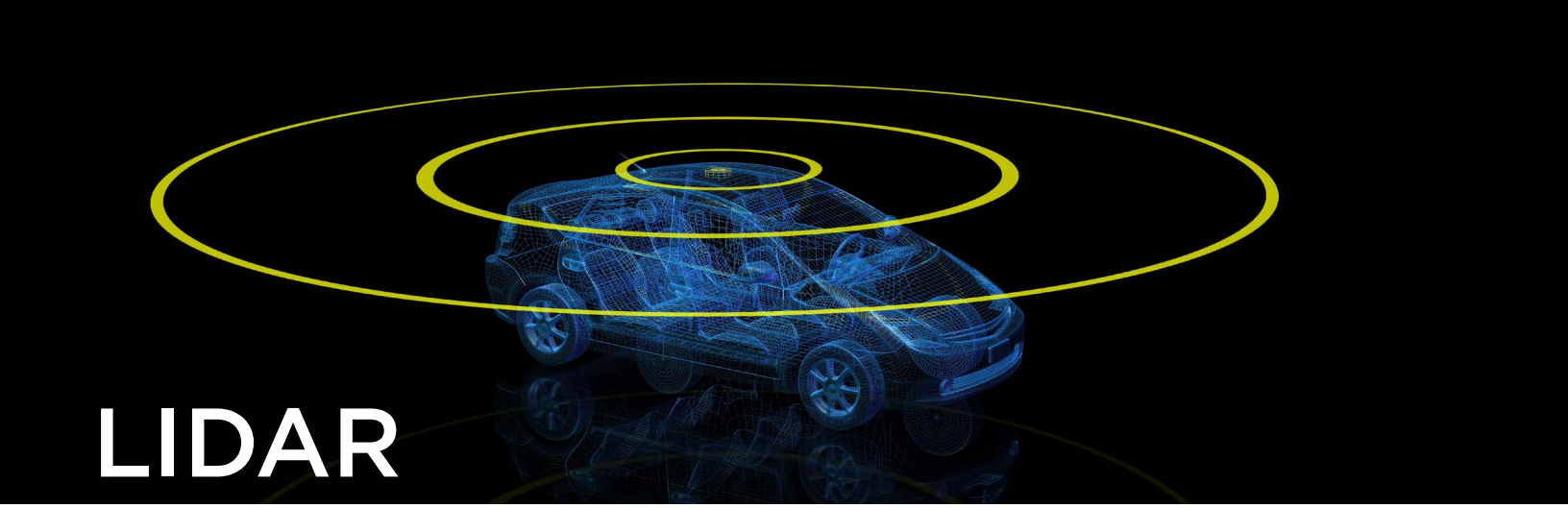
| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Clad absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| DCF Yb Doped | DCF-YB-6/128S | 6* | 128 | 0.13 | 0.55 | CW or Pulsed Fiber Laser | Single Mode |
| | DCF-YB-10/128E | 10 | 128 | 0.08 | 1.35 | CW or Pulsed Fiber Laser | Single Mode |
| | DCF-YB-15/128 | 15 | 128 | 0.08 | 2.0 | Pulsed Fiber Laser | - |
| | DCF-YB-20/128E | 20 | 128 | 0.08 | 3 | Pulsed Fiber Laser | - |
| | DCF-YB-25/250-06 | 25 | 250 | 0.06 | 1.7 | High Power Pulsed Fiber Laser Laser marking, engraving | - |
| | DCF-YB-30/250EH | 30 | 250 | 0.061 | 2.1 | High Power Pulsed Fiber Laser Laser marking, engraving | - |
| | DCF-YB-20/400-065 | 20 | 400 | 0.065 | 0.4 | High Power CW Fiber Lasers Metal cutting, Welding | Up to 3kW |
| | DCF-YB-30/400[1] | 30 | 400 | 0.065 | 0.65 | High Power CW Fiber Lasers Metal cutting, Welding | Up to 6kW |
| | DCF-YB-50/400[1] | 50 | 400 | 0.12 | >2 | High Power Pulsed Fiber Lasers Laser cleaning | Very Large Mode Area |
| | DCF-YB-100/400 | 100 | 400 | 0.12 | >2 | High Power Pulsed Fiber Lasers Laser cleaning | Very Large Mode Area |
| DCF Yb Doped-PM | DCF-YB-6/128S-PM | 6* | 128 | 0.13 | 0.6 | Pulsed and Ultrafast Fiber Lasers | Single Mode |
| | DCF-YB-10/125E-PM | 11 | 125 | 0.08 | 1.6 | | Single Mode |
| | Yb-MCOF-10/125-08-1.6-PM | 10 | 125 | 0.08 | 1.6 | | Single Mode |
| | Yb-DCOF-15/125-08-2.7-PM | 15 | 125 | 0.08 | 2.7 | | - |
| | DCF-YB-20/125E-PM | 20 | 125 | 0.08 | 4.15 | | - |
| | DCF-YB-25/250-06-PM[1] | 25 | 250 | 0.06 | 1.7 | | - |
| | YB-MCOF-35/250-07-0.9-PM | 25 | 250 | 0.06 | 0.9 | High Power Pulsed and Ultrafast Fiber Lasers | Confined core and depressed clad for LP01 optimization |
| | Yb-MCOF-35/250-07-2.5-PM | 35 | 250 | 0.07 | 2.5 | | Confined core and depressed clad for LP01 optimization |
| | DCF-YB-20/400-PM | 20 | 400 | 0.65 | - | | - |
| | Yb-MCOF-35/250-56/400-07-2.2-T0.7-PM | 35-56 | 250-400 | 0.07 | 2.2 | | Expanding Mode Area fiber, tapered core from 35 µm to 56 µm. Confined core and depressed clad for LP01 optimization |
| | EMA-SUB-YB-56/400-07-PM | 35-56 | 250-400 | 0.07 | 2.2 | | EMA Fiber Sub-Assembly - Integrated MFA, pump injection module and endcap |

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

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Clad absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| DCF Yb Doped-Phospho | DCF-YB-6/128P-14-FA | 6 | 128 | 0.14 | 1.5 | High Power Pulsed Fiber Laser Laser marking, engraving | Flat gain spectrum, no photodarkening |
| | DCF-YB-7/128-FHA | 7 | 128 | 0.19 | 1.3 | High Power Pulsed Fiber Laser Laser marking, engraving | |
| | DCF-YB-8/128P-FA | 8 | 128 | 0.1 | 1.8 | High Power Pulsed Fiber Laser Laser marking, engraving | |
| | DCF-YB-12/128P-FA | 12 | 128 | 0.08 | 3 | High Power Pulsed Fiber Laser Laser marking, engraving | |
| | DCF-YB-20/128P-08-FA-G2 | 20 | 128 | 0.08 | 5.5 | High Power Pulsed Fiber Laser Laser marking, engraving | |
| | DCF-YB-20/128P-10-FHA-G2 | 20 | 128 | 0.1 | 9 | High Power Pulsed Fiber Laser Laser marking, engraving | |
| | DCF-YB-25/400P-10-FA[1] | 25 | 400 | 0.1 | 0.5 | High Power CW Fiber Lasers Metal cutting, welding | |
| | DCF-YB-25/400-16-FA | 25 | 400 | 0.16 | 0.5 | High Power CW Fiber Lasers Metal cutting, welding | |
| | DCF-YB-34/530-10[1] | 34 | 530 | 0.1 | 0.7 | High Power CW Fiber Lasers Metal cutting, welding | |
| | DCF-YB-48/600-12-FA[1] | 48 | 600 | 0.12 | 0.85 | High Power CW Fiber Lasers Metal cutting, welding | |
| Passive - Relay and Components | DCF-UN-6/125-12 | 6 | 125 | 0.12 | - | Multimode combiners, FBGs, relay, isolators | Single Mode |
| | DCF-UN-10/125-08 | 10 | 125 | 0.08 | - | | Single Mode |
| | DCF-UN-20/125-08 | 20 | 125 | 0.08 | - | | - |
| | DCF-UN-20/250-08 | 20 | 250 | 0.08 | - | | - |
| | DCF-UN-20/400-065 | 20 | 400 | 0.065 | - | | - |
| | SCF-UN-6/125-12 | 6 | 125 | 0.12 | - | | - |
| | DCF-UN-6/125-14-PM | 6 | 125 | 0.14 | - | | Single Mode |
| | DCF-UN-10/125-08-PM | 10 | 125 | 0.08 | - | | Single Mode |
| | DCF-UN-15/125-075-PM | 15 | 125 | 0.075 | - | | - |
| | DCF-UN-20/125-08-PM | 20 | 125 | 0.08 | - | | - |
| | DCF-UN-35/250-07-PM | 35 | 250 | 0.07 | - | | - |

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Core absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| SCF Yb Doped | Yb 401 | 6* | 125 | 0.14 | 140 | Pulsed seed lasers | Low photodarkening |
| | Yb 406 | 5* | 125 | 0.14 | 600 | Pulsed seed lasers | Low photodarkening |
| | Yb 118 | 4* | 125 | 0.22 | 80 | Pulsed seed lasers, DFB fiber lasers | Photosensitive |
| SCF Yb Doped PM | Yb 401-PM | 6* | 125 | 0.14 | 140 | Seed lasers for Ultrafast | Low photodarkening |

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Clad absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| Pump and Beam Delivery | DCF-UN-50/400-12-HBR | 50 | 400 | 0.12 | - | Laser beam delivery | Multi-kW |
| | DCF-UN-50/70/250-15 | 50 | 250 | 0.15 | - | Laser beam delivery | Multi-kW |
| | DCF-UN-50/70/360-22 | 50 | 360 | 0.22 | - | Laser beam delivery | Multi-kW |
| | DCF-UN-100/120/360-22 | 100 | 360 | 0.22 | - | Laser beam delivery | Multi-kW |
| | DCF-UN-200/220/250-22 | 200 | 250 | 0.22 | - | Laser beam delivery | Multi-kW |
| | SCF-UN-105/125-22 | 105 | 125 | 0.22 | - | High power pump diodes output fibers | - |
| | SCF-UN-109/125-22 | 109 | 125 | 0.22 | - | High power pump diodes output fibers | - |
| | SCF-UN-135/155-22 | 135 | 155 | 0.22 | - | High power pump diodes output fibers | - |
| | SCF-UN-205/220-22 | 200 | 220 | 0.22 | - | High power pump diodes output fibers | - |



# LIDAR

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Core Absorption @1530nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| Er Doped Single Clad Fiber | ER35-7 | 7* | 125 | 0.22 | 35 | 1.5 µm LIDAR source pre-amplifier, EDFA, narrow linewidth sources | 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 linewidth (ex : 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 |

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Clad absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| Ey Doped Double Clad Fiber | DCF-EY-6/128-G2 | 6 | 128 | 0.2 | 0.9 | 1.5 µm LIDAR source amplifiers | Single mode. Lower power or first stage of amplifiers |
| | DCF-EY-10/128H-G2 | 10 | 128 | 0.2 | 2.4 | 1.5 µm LIDAR source amplifiers | Few moded fiber. 2nd stage of amplifier. |
| | DCF-EY-12/130H | 12 | 130 | 0.2 | 3.2 | 1.5 µm LIDAR source amplifiers | Few moded fiber. 2nd stage of amplifier. |
| | DCF-EY-11/125-18 | 11 | 125 | 0.18 | 2.75 | 1.5 µm LIDAR source amplifiers | Few moded fiber. 2nd stage of amplifier. |
| | DCF-EY-10/128P | 10 | 128 | 0.11 | 2.9 | 1.5 µm LIDAR source amplifiers | Single mode. Large MFD. Optimized for single stage up to 10W |
| | DCF-EY-11/128P-SMF | 11* | 128 | 0.11 | 2.9 | 1.5 µm LIDAR source amplifiers | Single mode. SMF28 match. Optimized for single stage up to 10W |
| | DCF-EY-16/128-18 | 16 | 128 | 0.18 | 6 | High Power 1.5 µm LIDAR source amplifiers | Reach at least 50W |
| | DCF-EY-16/250P | 16 | 250 | 0.11 | 1.11 | High Power 1.5 µm LIDAR source amplifiers | Reach at least 50W |
| | DCF-EY-25/250P[1] | 25 | 250 | 0.1 | 5 | High Power 1.5 µm LIDAR source amplifiers | Reach at least 100W |
| | DCF-EY-8/105/125-14/22-HTA | 8 | 105 | 0.14 | 4 | 1.5 µm LIDAR source amplifiers | All glass fiber. No low index polymer |
| | DCF-EY-10/128-G2-PM | 10 | 128 | 0.2 | 2 | 1.5 µm LIDAR PM source amplifiers, wind sensing | Polarization maintening |
| | DCF-EY-6/128-PM | 6 | 128 | 0.2 | 0.7 | 1.5 µm LIDAR PM source amplifiers, wind sensing | Single mode. Lower power or first stage of amplifiers. Polarization maintening |
| Passive Double Clad Fiber | 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 & 125 | 0.14 & 0.22 | - | | 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 |
| Passive | SCF-UN-8/125-14 | 8 | 125 | 0.14 | - | Relay and passive component fibers | Match Coractive's DCF-EY-10/128H and SMF-type fibers |
| Attenuating Fibers | ATN-FB | 7 | 125 | 0.14 | - | Attenuating fiber : 0.4 - 15 dB/cm range | Attenuating termination of unused component legs - Prevents self-pulsation |
| | ATN-FBL | 7 | 125 | 0.14 | - | Attenuating fiber - < 0.4 dB/cm range | Attenuating termination of unused component legs - Prevents self-pulsation |

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

# TELECOM

| 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 |

| 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. |

| 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. |

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


| 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 |

| 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. 2nd stage of amplifier. |
| | DCF-EY-12/130H | 12 | 130 | 0.2 | 3.2 | High power 1.5 µm amplifiers | Few moded fiber. 2nd 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. 2nd 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. |

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

# MEDICAL

| Fiber Type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Clad absorption @790nm or (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| Double Clad Thulium Fibers | DCF-TM-25/400[1] | 25 | 400 | 0.09 | 4.2 | 2 µm fiber lasers and amplifiers | - |
| | DCF-TM-6/128-22 | 6 | 128 | 0.22 | 1.5 | 2 µm fiber lasers and amplifiers | |
| | DCF-TM-10/128 | 10 | 128 | 0.22 | 4.0 | 2 µm fiber lasers and amplifiers | |
| | DCF-TM-15/250P-12 | 15 | 250 | 0.12 | 3.5 | 2 µm fiber lasers and amplifiers | |
| | DCF-TM-25/250P | 25 | 250 | 0.11 | 8.0 | 2 µm fiber lasers and amplifiers | |
| | DCF-TM-22/400P | 22 | 400 | 0.1 | 3.0 | 2 µm fiber lasers and amplifiers | |

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

| Fiber Type | Model | Core Diameter (µm) | Cladding Diameter (µm) | Core NA | Applications | Description |
|---|---|---|---|---|---|---|
| Single Clad Thulium | TM 134 | 3 | 125 | 0.16 | 2 µm fiber lasers and amplifiers | - |
| | SCF-TM-8/125 | 8 | 125 | 0.17 | | - |
| Single Clad Thulium-Holmium | TH 512 | 9 | 125 | 0.16 | 2 µm fiber lasers and amplifiers | - |
| | TH 550 | 11.5 | 125 | 0.14 | | - |

| Fiber type | Model | Core Diameter (µm) | Cladding Diameter (µm) | Core NA | Applications | Description |
|---|---|---|---|---|---|---|
| Passive 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-UN-16/125-16 | 16 | 125 | 0.16 | | Match : DCF-EY-16/128-18 |
| | DCF-UN-25/250-10 | 25 | 250 | 0.1 | | Match: DCF-TM-25/250P |
| | DCF-UN-25/400-10 | 25 | 250 | 0.1 | | Match: DCF-TM-25/400 |

| Fiber type | Model | Core Diameter (µm) | Cladding Diameter (µm) | Core NA | Clad absorption @915nm (dB/m) | Applications | Description |
|---|---|---|---|---|---|---|---|
| Double Clad Erbium/ Ytterbium Fibres | DCF-EY-6/128-G2 | 6 | 128 | 0.2 | 0.9 | 1.5 µm fiber lasers and amplifiers | Single mode. First stage of amplifiers |
| | DCF-EY-10/128H-G2 | 10 | 128H | 0.2 | 2.4 | | Few moded fiber. 2nd stage of amplifier. |
| | DCF-EY-12/130H | 12 | 130 | 0.2 | 3.2 | | Few moded fiber. 2nd stage of amplifier. |
| | DCF-EY-16/128-18 | 16 | 128 | 0.18 | 6.0 | | Reaches at least 50W |

# MID-IR

| Fiber type | Model | Core Diameter (µm) or MFD* | Cladding Diameter (µm) | Core NA | Cutoff Wavelength (µm) | Applications | Description |
|---|---|---|---|---|---|---|---|
| AsSe Chalcogenide Fibers | IRT-SE-6/170 | 6 | 170 | 0.175 | 1.2 | Mid-IR delivery 2-9 µm transmission range. | Single mode |
| | IRT-SE-12/170 SEG | 12 | 170 | 0.77 | - | | Optimized for supercontinuum generation applications. |
| | IRT-SE-14/170 | 14 | 170 | 0.22 | 4 | | Single mode |
| | IRT-SE-18/170 | 18 | 170 | 0.22 | 5.2 | | Single mode |
| | IRT-SE-28/170 | 28 | 170 | 0.22 | - | | Multimode |
| | IRT-SE-100/170 | 100 | 170 | 0.26 | - | | Multimode |
| AsS Chalcogenide Fibers | IRT-SU-7/170 | 7 | 170 | 0.26 | 2.0 | Mid-IR delivery 2-6 µm transmission range. | Single mode |
| | IRT-SU-9/170 | 9 | 170 | 0.26 | 2.8 | | Single mode |
| | IRT-SU-11/170 | 11 | 170 | 0.26 | 3.5 | | Single mode |
| | IRT-SU-70/170 | 70 | 170 | 0.26 | - | | Multimode |
| | IRT-SU-100/170 | 100 | 170 | 0.26 | - | | Multimode |
| | IRT-SU-400/450 | 400 | 450 | 0.26 | - | | Multimode |

Contact us to know more and to discuss custom development opportunities.

# CONTACT US

**You need more information?**

**You have a project in mind?**

**If you are wondering how Coractive can help you or simply to request a quote, don't hesitate to contact our team:**

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