

## Reduced Clad Fiber (80μm)

### Product Information

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#### FEATURES

High refractive index core  
 Low bending-induced attenuation  
 Low splice loss with erbium-doped fiber

#### APPLICATIONS

Coiled fiber application  
 Pump laser diode pigtail  
 Pump laser diode stabilizer  
 WDM Couplers  
 Compact system design

#### SPECIFICATIONS

<b>Product Name</b>	<b>SMF980A8</b>	<b>SMF1060A8</b>	<b>SMF1060B8</b>	<b>SMF1300A8</b>
Design Wavelength	980 nm	980 nm	980 nm	1310 nm
Cut-off Wavelength	930 ± 30 nm	930 ± 30 nm	930 ± 30 nm	1210 ± 50 nm
Attenuation @980nm	≤ 3.0 dB/km	≤ 2.5 dB/km	≤ 2.5 dB/km	*
@1310nm	*	*	*	≤ 2.0 dB/km
Numerical Aperture	0.215 ± 0.015	0.17 ± 0.01	0.14 ± 0.01	0.16 ± 0.01
Mode Field Diameter @980nm	4.2 ± 0.5 μm	4.9 ± 0.5 μm	5.9 ± 0.5 μm	*
(Petermann II) @1310nm	*	*	*	7.0 ± 0.5 μm
Cladding Diameter	80 ± 1 μm	80 ± 1 μm	80 ± 1 μm	80 ± 1 μm
Coating Diameter	165 ± 10 μm	165 ± 10 μm	165 ± 10 μm	165 ± 10 μm
Core/ Cladding Concentricity	≤ 0.8 μm	≤ 0.8 μm	≤ 0.8 μm	≤ 0.8 μm
Cladding/ Coating Concentricity	< 12 μm	< 12 μm	< 12 μm	< 12 μm
Bending Loss @Design Wavelength (100 turns on a 10mm mandrel)	< 0.1 dB	< 1.5 dB	*	< 1.5 dB
Proof Test	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi	≥ 100 kpsi
Length	Customize	Customize	Customize	Customize

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