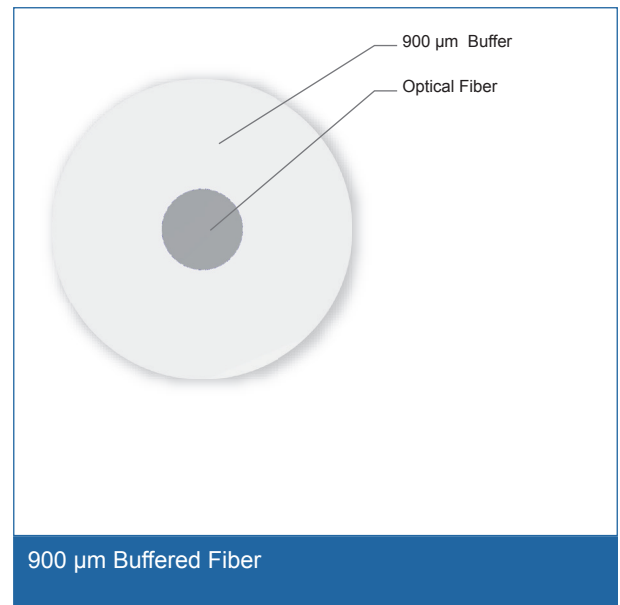
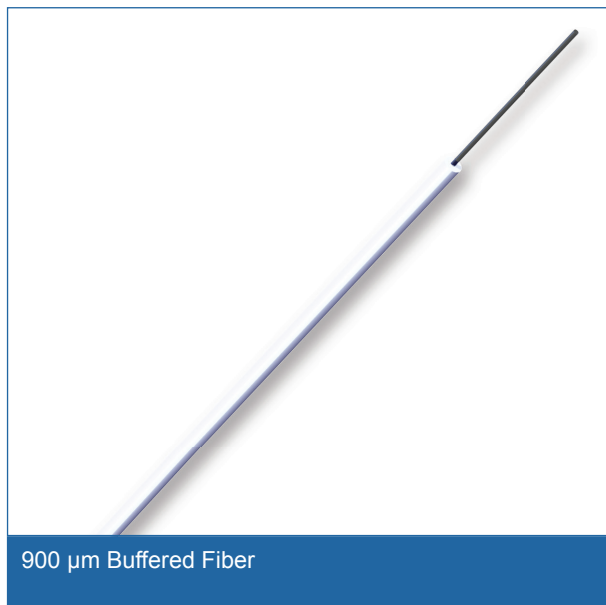


900 μm Buffered Fiber

CORNING

Corning 900 μm buffered fiber is ideal for pigtail and behind-the-faceplate applications. Corning offers a selection of buffered fibers with consistent shrink-back and stripping performance to meet your applications needs.



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900 μm Buffered Fiber

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Specifications

Temperature Range

Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)

Mechanical Characteristics Cable

Fiber Count	Fiber Category	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Weight
1	Single-mode (OS2)	0.9 mm $\pm$ 0.05 (0.03 in)	25 mm (0.98 in)	25 mm (0.98 in)	1.0 kg/km (0.7 lb/1000 ft)
1	62.5 μm MM (OM1)	0.9 mm $\pm$ 0.05 (0.03 in)	25 mm (0.98 in)	25 mm (0.98 in)	1.0 kg/km (0.7 lb/1000 ft)
1	50 μm MM (OM2)	0.9 mm $\pm$ 0.05 (0.03 in)	15 mm (0.59 in)	7.5 mm (0.30 in)	1.0 kg/km (0.7 lb/1000 ft)
1	50 μm MM (OM3)	0.9 mm $\pm$ 0.05 (0.03 in)	15 mm (0.59 in)	7.5 mm (0.30 in)	1.0 kg/km (0.7 lb/1000 ft)
1	50 μm MM (OM4)	0.9 mm $\pm$ 0.05 (0.03 in)	15 mm (0.59 in)	7.5 mm (0.30 in)	1.0 kg/km (0.7 lb/1000 ft)
1	SMF-28® Ultra fiber	0.9 mm $\pm$ 0.05 (0.03 in)	15 mm (0.59 in)	10 mm (0.4 in)	1.0 kg/km (0.7 lb/1000 ft)
1	ClearCurve® Single-mode ZBL	0.9 mm $\pm$ 0.05 (0.03 in)	15 mm (0.59 in)	5 mm (0.20 in)	1.0 kg/km (0.7 lb/1000 ft)

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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900 μm Buffered Fiber

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Transmission Performance

Multimode				
Fiber Core Diameter (μm)	62.5	50	50	50
Fiber Category	OM1	OM2	OM3	OM4
Fiber Code	K	T	T	T
Performance Option Code	30	31	80	90
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/600	1000/600	1000/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-

* 50 μm multimode fiber (OM3/OM4/OM4+) meets 0.75 ns optical skew when used in all Corning Plug and Play™/EDGE™ systems solutions.

* 50 μm multimode fiber (OM4) T90 10 Gigabit Ethernet distance assumes 1.0 dB maximum total connector/splice loss.

Single-mode			
Fiber Name	SMF-28e® fiber	ClearCurve® ZBL	SMF-28® Ultra fiber
Fiber Category	G.652.D	G.657.B3/G.652.D	G.652.D/G.657.A1
Fiber Code	E	U	Z
Performance Option Code	31	31	31
Wavelengths (nm)	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.65/0.65/0.50	0.4/0.4/0.3	0.65/0.65/0.50

* Improved attenuation and bandwidth options available.

* Bend-insensitive single-mode fibers available on request.

* Contact a Corning Customer Care Representative for additional information.

Ordering Information | Note: Contact Customer Care at 1-800-743-2675 for other options.

Fiber Type	Part Number	Fiber Type	Part Number
SMF-28e+®	001E41-31131-29	50/125 μm (OM2)	001T41-31131-29
SMF-28® Ultra fiber	001Z41-31131-29	50/125 μm (OM3)	001T41-31180-29
ClearCurve® ZBL	001U41-31131-29	50/125 μm (OM4)	001T41-31190-29
62.5/125 μm (OM1)	001K41-31130-29		

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900 μm Buffered Fiber

The Corning logo consists of a solid blue square with the word "CORNING" in white, uppercase, sans-serif font centered within it.

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Notes

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