

Individual Fiber Diameter	0.001 in. (0.025mm) 0.002 in. (0.050mm)
Fiber Material	Borasilicate Glass
Numerical Aperture / Acceptance Cone	0.55NA, 68° (nominal) @ 0.55 (nominal) 0.66NA, 82° (nominal) @ 0.66 (nominal)
Packing Fraction	82% (nominal) w/0.002" fiber
Spectral Transmittance	0.4 to 2.0 micron
Transmission Losses	max. 10%/ft. at 0.6 microns
Chemical Resistance (Transmission Change)*	
Water	(80°C, 250 hrs.) - no change
Sulphuric Acid	(22°C, 100 hrs.) 1.26 sp. gr.) - no change
Engine Oil	10W30 (80°C, 100 hrs.) - no change
Gasoline	(22°C, 100 hrs.) - no change
Ethylene Glyco	(22°C, 100 hrs.) - 5% decrease

**Transmission can be affected by continuous immersion*

Temperature Rating

Type	Temp. Range	Sheathing
B/E	-40°F to 225°F (-40°C to 107°C)	PVC - Monocoil
BX/EX	-40°F to 500°F (-40°C to 260°C)	Stainless Steel

Bend Radius (Bundle and Sheathing Limited)

Bundle Dia.	B/E	BX/EX
0.063"	5/8"	1 1/2"
0.125"	3/4"	2"
0.250"	1 1/2"	4"

Note: Bend radius should not be attempted for the first 3/4" after the termination.

Overall Length (OAL) Tolerances

OAL	B/E, BX/EX
1-6 ft.	± 1/2"
7-10 ft.	± 1"
11-21 ft.	± 2"

Note: Dimensions and specifications are subject to change without notice.

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