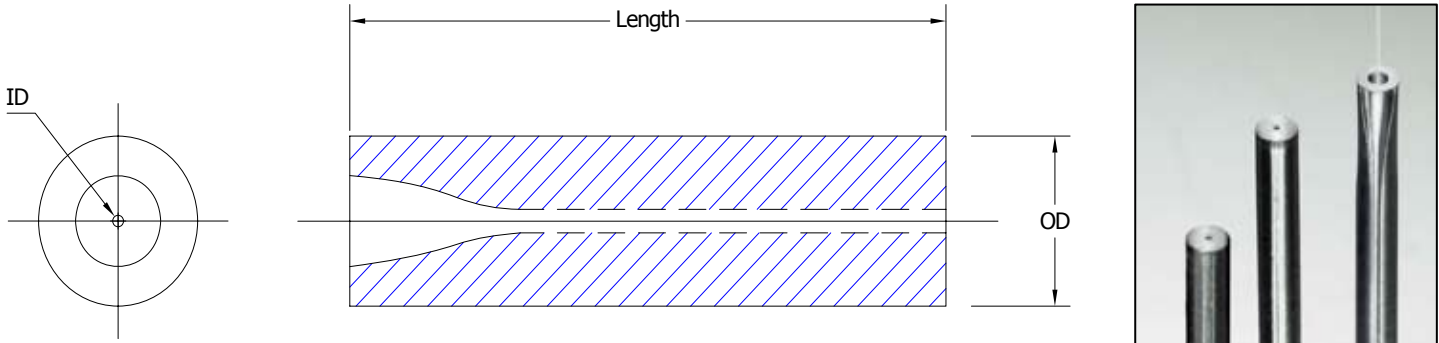


FIBER OPTIC FERRULES



PHYSICAL PROPERTIES			
Thermal Expansion	$55 \times 10^{-7} \text{ cm/cm/}^\circ\text{C}$	Index of Refraction	1.49 @ 589.3 nm
Density	2.33 g/cc	Volume Resistivity *	7.0
Strain Point	530°C	Dielectric Constant	5.8
Annealing Point	570°C	*log ρ (Ω-cm) at 250° C	
Softening Point	785°C		

Accu-Glass manufactures glass ferrules, collimator tubes and various types of spacers for fiber optic component manufacturers. Whether a single fiber is terminated at a device or joined to another fiber, a ferrule or connector of some type is used. These high precision parts ensure the fiber is optimally aligned.

Accu-Glass fiber optic ferrules are drawn to a very high precision with inside diameter (ID) tolerances held to ± 1 micron. Although ferrules can be made to various specifications, ID and OD dimensions range from 0.127-0.250mm and 0.500-1.800mm, respectively. The ferrule can be precision cut to a desired length. A blown funnel is formed on one end for easy fiber insertion and strain relief.

Accu-Glass ferrules are produced from low- and mid-range expansion borosilicate glass. This material is preferred because it reduces post-assembly failures due to thermal shock and polishes uniformly with the optical fiber during field installation. Borosilicate glass also transmits UV light, allowing the use of UV curable adhesives in field assembly applications.