

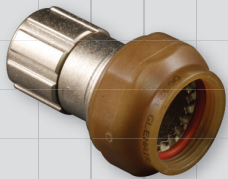
## Special Purpose Backshells for Fiber Optics and Other Unique Applications

**High Temperature Halogen-Free PEEK** Polyetheretherketone is the only halogen free plastic tubing material supplied by Glenair. It is extremely light weight and crush resistant. The material is tough under an extreme range of conditions. PEEK far outperforms other plastics in its tolerance to high temperatures, and has a V-O flammability rating down to 0.057 inches without the use of additives. PEEK combines strength, toughness, chemical resistance, purity, wear resistance, and USP Class VI biocompatibility. The material maintains its properties under sustained pressure, elevated temperatures and most chemical environments. The mechanical and high temperature properties of this material make processing and manufacturing of PEEK tubing more costly than other polymers, but the weight savings, crush resistance, and zero halogen properties make it a worthwhile addition to many applications.

**Fiber Optic Backshells** The use of glass fiber media in interconnect systems calls for special purpose backshells and other accessories. Axial alignment of fiber media and termini, as well as the need to control micro bending in optical cabling has led to the development of a very specialized range of conduit-to-fiber optic-connector backshells, a small selection of which are presented in this chapter of the catalog.



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