



## Plastic Fiber Assemblies



**Priority offers a complete line of plastic fiber assemblies manufactured with a large selection of connector manufacturers and styles.**



**Plastic optical fiber (POF) is a specialty fiber useful for illumination and low speed short data links. There is now a greatly increased interest in POF, as R&D has given it higher performance to go along with its ease of installation and low cost.**

**POF is large core step-index fiber with a typical diameter of 1 mm. This large size makes it easy to couple lots of light from sources and connectors do not need to be high precision. Being plastic, its also rugged and easy to install without fear of damage.**

**From an optical standpoint, conventional POF is much lower in performance than glass fiber. It has a loss of 0.15-0.2 dB per meter at 650 nm and its bandwidth is limited by its large NA and step-index profile. However, it is adequate for running short links, such as inside of instruments or within a room for desktop connections up to 50 meters. And of course in automobiles, where it has gained a foothold.**

**Call Priority Electronics Toll Free 1-800-478-0447**