

Plastic Optical Cable

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Plank Optoelectronics Inc. is a professional developer and manufacturer of fiber optical communication components that deploy high-capacity broadband communications networking with advances in Fiber Optics technologies. Based on our long-term researching and improving on All Fiber manufacturing process, we are able to provide various low insertion loss, high quality and high reliability patchcord products.

Why Plastic Optical Cable ?

POF(Plastic Optical Fiber) is widely accepted in digital audio systems e.g. AC-3 and DTS. Like glass fiber, plastic optical fiber consists of a core surrounded by cladding. The refractive index of the cladding is made smaller than the core to keep incident light rays reflecting where the core and cladding meet, and down the fiber. When a short pulse of light is shown into the fiber, it can travel down the fiber in several different pathways or "modes" depending on the core diameter and the wavelength of the light pulse. The way light is transmitted down the fiber and switched on and off at different pulse rates is how data is communicated or transferred through the optic.

Different from Glass fiber, Plastic Optical Fiber requires less management extensive and less technical expertise.



Specifications

Fiber Diameter (mm)	1.0
Attenuation at 650 +/-30nm (dB/M)	<3.5
Inner sheath	PE or PVC Carbon black
Outer sheath	PVC, PE, Nylon
Cable OD (mm)	2.2 ~ 7.0
Bending radius (mm)	25
Operating temperature (°C)	-20 ~ +65
Storage temperature (°C)	-30~ +70

Custom-design Services : Plank is capable of producing high quality plastic optical cables, any of your special requirements for various connector combination is welcome to contact with our Sales Department by email sales@plank.com.tw

Private Label Services : Plank also provides private label services for clients, for further details, please contact with our Sales Department by email sales@plank.com.tw