

Plastic Fiber Optical Cable

Product Information

Issue Date: 2002/08/01

MECHANICAL PROPERTIES

Simplex



Duplex



Others



| | | | |
|-----------------------------|--------------------------------|----|-----|
| Core | Polymethyl Methacrylate (PMMA) | | |
| Cladding | Fluorinated Polymer | | |
| Jacket | FR-PVC, PE, or FR-PE | | |
| Fiber Diameter | 0.5mm, 0.75mm, 1.0mm, 1.5mm | | |
| Cable Diameter | Upon customer's request | | |
| Structure | Step Index | | |
| Numerical Aperture (N.A.) | 0.50 | | |
| Acceptance Angle, degree | 60 | 60 | --- |
| Attenuation @650nm | Under 0.20 dB/m | | |
| Allowable Bending Radius | Min. 25 | | |
| Available Temperature Range | -40 ~ +70 ⁰ C | | |

APPLICATIONS

Light Guide

- illuminations in automobiles & electric device
- illuminations in medical device

Optical Sensor

- optical fiber switches
- temperature, pressure & chemicals

Data Communications

- home network
- office network
- universal transceiver links
- point-to-point
- audio systems
- mobile computing

Image Transmission

- image guide
- image scope

Sign & Displays

Electric Appliances

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