

Multi-mode Optical Glass Fiber Light Cords/Cables

Transmission is possible
at 3 Gbps / 10 m



◆ Features

- Superior optical properties in high temperature compared to plastic optical fibers as it is made of glass.
- Superior flexibility in handling in a narrow space as each multi-mode fiber of 30 μm in diameter is bundled.
- No need to collimate light as it has a large entrance area which can capture incident light.
- Its multi-fiber structure enables to keep transmitting light even when some fibers in a cable are broken.

◆ Specifications

Item	Standard value	Tolerance
Opening angle (2θ) / NA	35° / 0.29	Official value
Single fiber diameter (μm)	30 μm	±1.5
Single fiber core diameter (μm)	24 μm	±1.5
Operating temperature (Theoretical value)	-40°C - 80°C	-
Connector	FC/SC/SMA, etc.	-
Transmission loss	0.22 dB/m@0.85 μm 0.36 dB/m@1.31 μm 0.99 dB/m@1.55 μm	Reference value
Bending loss/R10	0.2 dB (30 turns)/m at 0.85 μm	Reference value