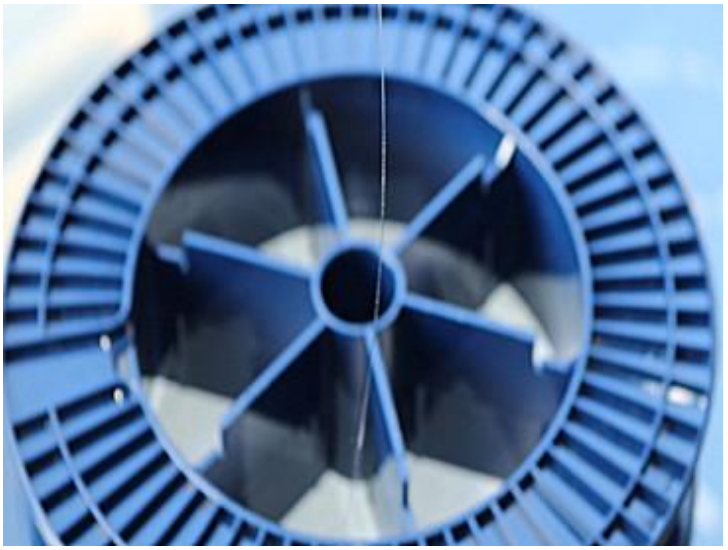
# 900um large core energy transmission optical fiber



## Product Description

We are currently able to provide international commercial-level quartz energy optical fibers in batches. Our energy optical fibers include two categories: quartz cladding type high-performance energy optical fibers and plastic cladding type high-performance energy optical fibers. Quartz cladding type energy optical fibers can transmit higher laser power, have good resistance to optical damage, as well as lower attenuation and higher

light transmittance (from near ultraviolet band to near infrared band 400nm ~ 1600nm).

## Product features

High laser power transmission capability、 Large core diameter、 Good flexibility and high strength、Made of synthetic high-purity quartz material, with low transmission loss, high transmittance and other excellent properties、 Can be processed into various end face shapes

## Part Number

MP-EDF-900/990

## Application area

Laser transmission, laser coupling, laser welding 、 laser cutting, laser medical treatment, spectrum detection、 lighting, sensors and other high power transmission fields

## Core parameters

| Core Diameter | Clad Diameter | Coating Diameter |
|---|---|---|
| 900um | 990um | 1370um |

## General Parameters

Parameter

| Large core power transmission fiber | | | | | | |
|---|---|---|---|---|---|---|
| Fiber PN# | MP-PDF-100/140 | MP-PDF-105/125 | MP-PDF-200/230 | MP-PDF-400/440 | MP-PDF-600/660 | MP-PDF-900/990 |
| Core diameter(μm)±2% | 100 | 105 | 200 | 400 | 600 | 900 |
| Clad diameter(μm)±2% | 140 | 125 | 230 | 440 | 660 | 990 |
| Coating diameter(μm)±3% | 245 | 245 | 380 | 535 | 850 | 1370 |
| Core-clad concentricity um | ⩽3 | ⩽3 | ⩽3 | ⩽3 | ⩽3 | ⩽3 |
| Core non-circularity | ⩽3 | ⩽3 | ⩽3 | ⩽3 | ⩽3 | ⩽3 |
| Cladding non-circularity | ⩽2 | ⩽2 | ⩽2 | ⩽2 | ⩽2 | ⩽2 |
| Numerical aperture | 0.29 | 0.24 | 0.22 | 0.22 | 0.22 | 0.22 |
| Attenuation@850nm db/km | ⩽4.5 | ⩽4.5 | ⩽4.5 | ⩽6 | ⩽6 | ⩽6 |
| @1310nm | ⩽2 | ⩽2 | ⩽2 | ⩽8 | ⩽8 | ⩽8 |
| Core/cladding material | GEO2/SIO2 | | | | | |