400X400μm Homogenized Fiber Optic Connector

Product Description

Homogenized fiber has unique spot homogenization and scrambling properties. When Gaussian-distributed laser is input, it can obtain a flat-top spot with uniform energy distribution after passing through square/rectangular/octagonal fiber. At the same time, the coupling efficiency is also higher than that of circular fiber. It is an ideal fiber for precision laser processing (welding, cutting, marking), astronomical

observation, night vision monitoring, laser biological detection and other application fields. This product link is the related model of homogenized bare optical fiber + connector jumper.

Product features

Uniform energy distribution and high damage threshold 、Large core energy fiber

Part Number

MP-REV-S400-SMA/FC

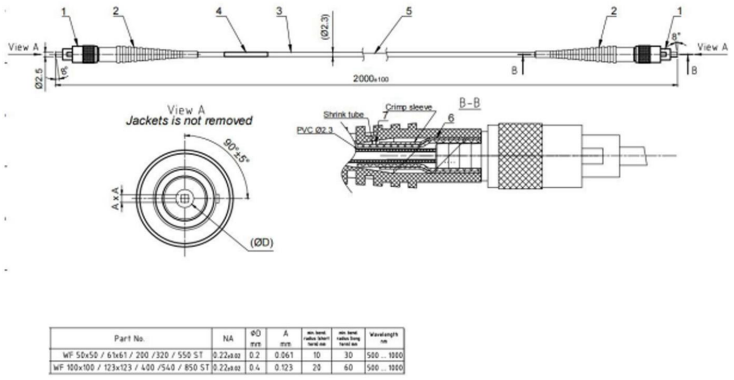
Application area

Optical application experiments 、 Laser transmission

Core parameters

Fiber Type	Connector Type
400x400um	SMA/FC-SMA/FC/SMA905

Dimension Drawing



Part No.	NA	ØD mm	A mm	min. bend radius short term mm	min. bend radius long term mm	Wavelength nm
WF 50x50 / 61x61 / 200 /320 / 550 ST	0.22±0.02	0.2	0.061	10	30	500 ... 1000
WF 100x100 / 123x123 / 400 /540 / 850 ST	0.22±0.02	0.4	0.123	20	60	500 ... 1000

General Parameters

Model parameters

Notes:

1. This component uses 1 Fiber optic cables.

2. All ends will be polished to 0.3μm Specification.

3.Size applies when legs are straight.

4.Glue: Master Bond Supreme HT11 (to +200 ° C) / Analog.

5.Min. Turning radius (short term): 33 mm; min. end. Radius (long term): 99

Millimeters.

Fiber Specifications:

OPTRAN®

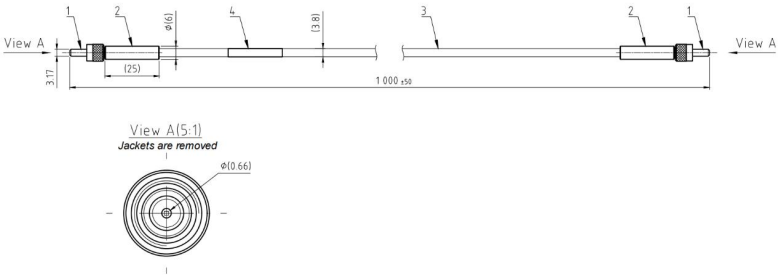
WF 400x400/660/780/1100 N (R=10 ⋯ 20%)

Pure fused silica core: 400x400μm ± 2% Fluorine doped fused silica cladding:

660μm ± 2% Sheath 1 diameter: 780μm ± 3%.

Sheath 2 Diameter: 1100μm ± 5%.

NA:0.22 ± 0.02



Technical Parameters

parameter	index
Fiber Type	WU375*375um ,310X310um , 600X600um
length	L≤1m tolerance: ±10mm 1m＜L≤3m tolerance: ± 15mm 3m＜ L≤5m Tolerance:± 30mm 5m＜L tolerance : ±30mm
Connector Type	SMA/FC-SMA/FC/SMA905

Test diagram