

50X50 μ m 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-S50-SMA/FC

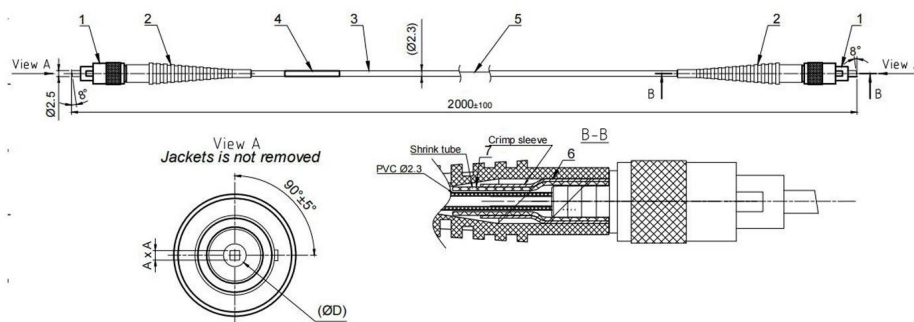
● Application area

Optical application experiments 、 Laser transmission

● Core parameters

Fiber Type	Connector Type
50x50um	SMA/FC-SMA/FC/SMA905

● Dimension Drawing



Part No.	NA	φD mm	A mm	min bend radius (short fused end)	min bend radius (long fused end)	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

Technical Parameters

Parameter	Index
Fiber Type	WU375*375μm ,310X310μm, 600X600μm
length	$L \leq 1m$ tolerance: $\pm 10mm$ $1m < L \leq 3m$ tolerance: $\pm 15mm$ $3m < L \leq 5m$ Tolerance: $\pm 30mm$ $5m < L$ tolerance : $\pm 30mm$
Connector Type	SMA/FC-SMA/FC/SMA905

Test diagram

