

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.

● Part Number

08115-REVA

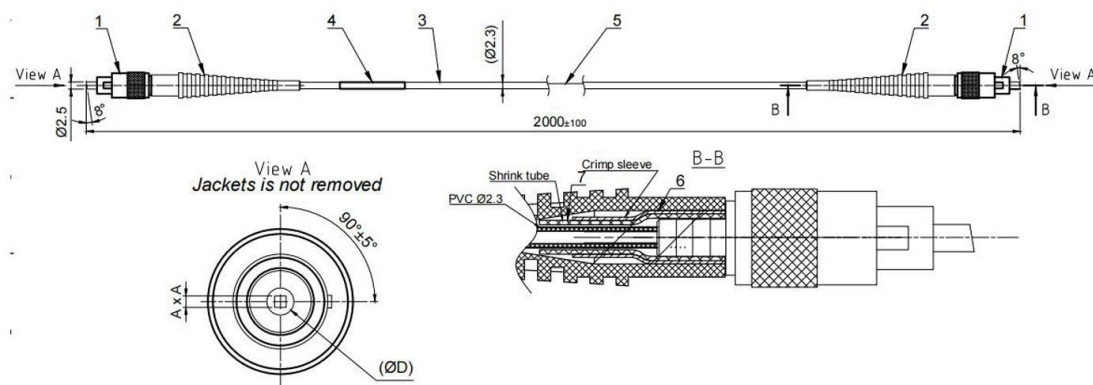
● Product features

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

● Application area

Optical application experiments 、 Laser transmission

● Dimensional 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

Technical Parameters

Parameter	Index
Fiber Type	WU375*375 μ m ,310X310 μ m, 600X600 μ m
length	$L \leq 1\text{m}$ tolerance: $\pm 10\text{mm}$ $1\text{m} < L \leq 3\text{m}$ tolerance: $\pm 15\text{mm}$ $3\text{m} < L \leq 5\text{m}$ Tolerance: $\pm 30\text{mm}$ $5\text{m} < L$ tolerance : $\pm 30\text{mm}$
Connector Type	SMA/FC-SMA/FC/SMA905

Test diagram

