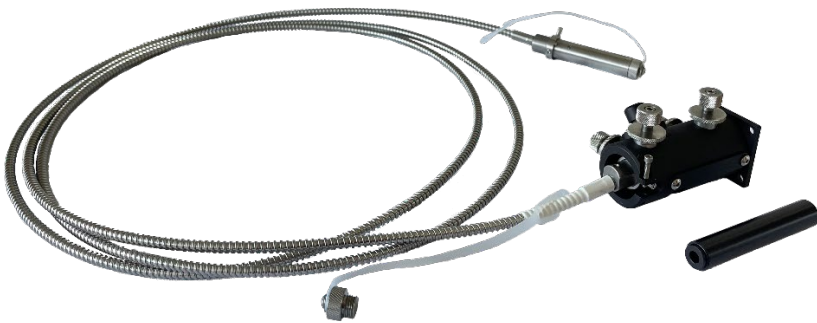


DATASHEET

NT Fiber system



The NT fiber system is a broadband single mode polarization maintaining fiber and coupler for use with multiwavelength laser sources. The fiber can be ordered with FC/APC, FCP8 or collimated output termination. The fiber length can be ordered in 2 meter or 3 meter lengths.

Specifications

Fiber properties

Transmission wavelength range*:	395....685nm
End caps:	yes (.E models only)
Polarization ratio:	≤ -20 dB
Throughput efficiency:	≥ 70 %
Fiber length*:	2 / 3 m
Fiber protective jacket:	Stainless steel, 5mm OD
Power handling:	<500mW for standard models / <1500mW for .E end-

Input beam collimator properties

Input beam diameter*:	0.7mm (1/e ²)
Beam waist position:	at collimator input
Mechanical dimensions:	Ø12 x 59 mm

Connectorized output

Connector types*:	FCP8, FC/APC, Collimator
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Collimated output beam*

Beam diameter:	0.7 mm (1/e ²)
M Squared:	≤ 1.05
Pointing stability:	≤ 1 µrad/°C
Mechanical dimensions:	Ø12 x 59 mm
Beam position:	≤ 0.15 mm
Beam angle:	≤ 0.5 µrad
Beam waist position:	at collimator exit

Environmental conditions

Storage temperature:	10 to 50 °C
Operating pressure:	Atmospheric
Operating temperature:	10 to 50 °C
Operating humidity:	Non-condensing

* depending on model

Ordering part numbers

05-100-001	NT Fiber system (0.7), 400-640nm, 2m, 0,7 collimated output
05-100-002	NT Fiber system (0.7), 400-640nm, 2m, FC/APC
05-100-003	NT Fiber system (0.7), 400-640nm, 2m, FC/APC - End-Capped
05-100-004	NT Fiber system (0.7), 400-640nm, 3m, FC/APC
05-100-005	NT Fiber system (0.7), 400-640nm, 3m, FC/APC - End-Capped
05-100-006	NT Fiber system (0.7), 400-640nm, 3m, FCP8
05-100-007	NT Fiber system (0.7), 400-640nm, 3m, FCP8 - End-Capped



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