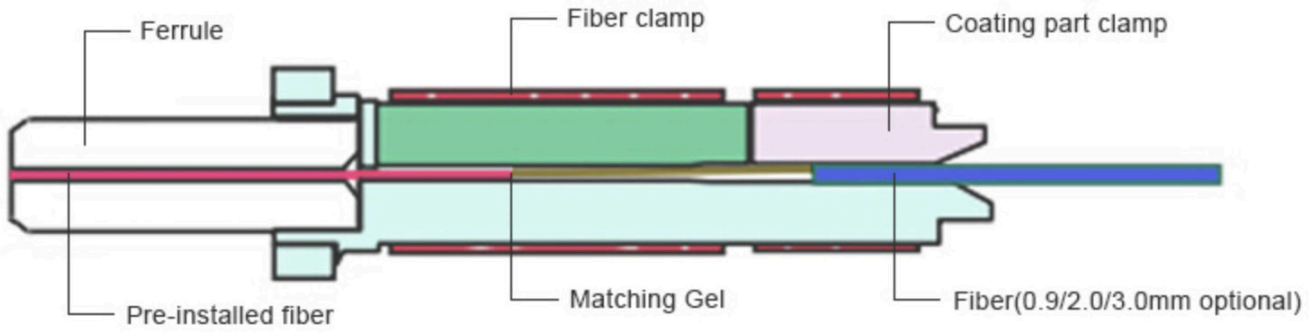
FAST CONNECTOR

SINGLE MODE APC FAST CONNECTOR

For SC/APC Product Code: FO-0302SMA353Q For SC/UPC Product Code: FO-0302SMU353Q



DATASHEET



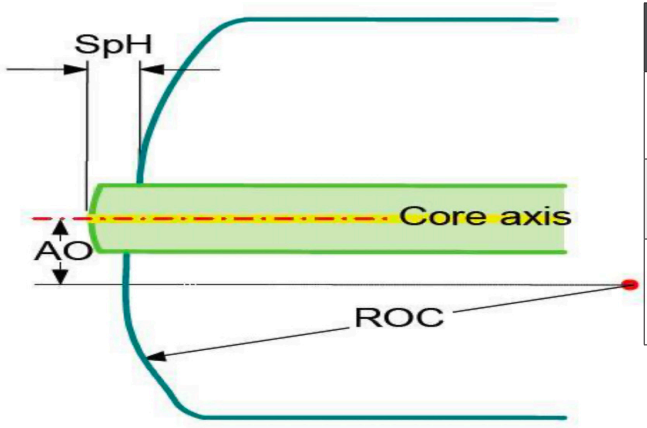
ITEMS	TEST COMDITION	VALUE
OPTICAL PERFORMANCE	Insertion Loss (1310nm&1550nm)	<0.2dB(typical) /0.3dB (Max)
	Return Loss (1310nm&1550nm)	UPC ≥-50 dB - APC≥-60 dB
Environmental Performance (Max. Insertion Loss Change)	Temperature cycle -40 ° ~ +75 ° (96 hours)	<0.3dB
Mechanical Performance (Max. Insertion Loss Change)	Online tension 20N- 10N	<0.3dB
	Impection3 axis/3times 4m high	<0.3dB
	Repeated operation times	5

FAST CONNECTOR

General Features

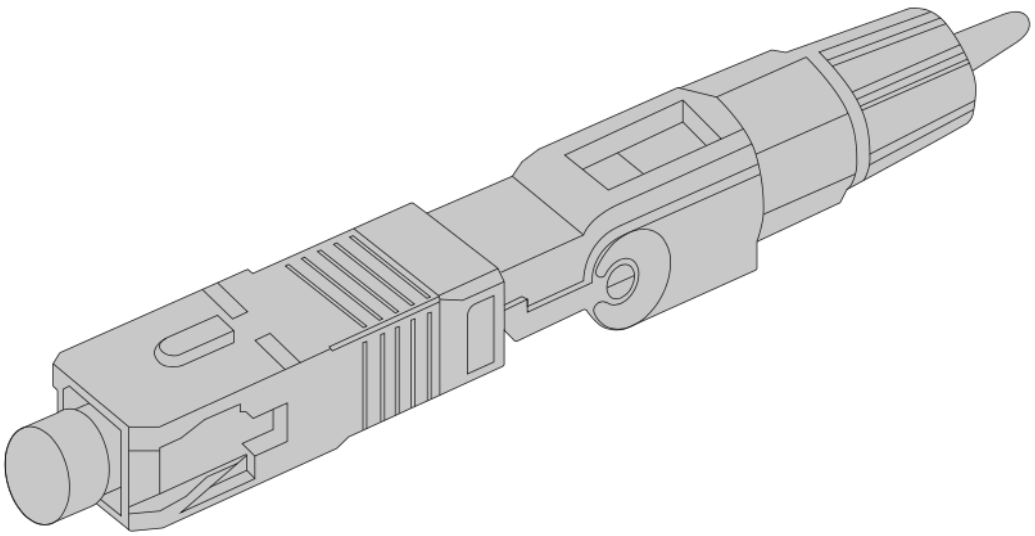
Connector Type	SC (PC or UPC)	LC (PC or UPC)	SC/APC	LC/APC
Insertion Loss	0,2 dB	0,2 dB	0,2 dB	0,1 dB
Reflection Loss	≥-50 dB	≥ -50 dB	≥ - 60 dB	≥ -60 dB
Operating Temperture	-40°C / +75°C	-40°C / +75°C	-40°C / +75°C	-40°C / +75°C
Storage Temperture	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C	-40°C / +85°C
Ferrule	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic
Alignment Sleeve	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic	Zirconia Ceramic
Flame Retardent	UL – 94 V-O	UL – 94 V-O	UL – 94 V-O	UL – 94 V-O
Durability	Mating cycles > 1000	Mating cycles > 1000	Mating cycles > 1000	Mating cycles > 1000
Color	Blue	Blue	Green	Green

Surface Geometric Features



Specifications	Value Provided
Radius Of Curvature(R) mm	10
Apex Ofset (AO) µm	0
Spherical Fiber Height (SpH) nm	-50 =< SpH =< 50

SC UPC/APC FIELD FAST CONNECTORS

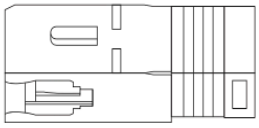


Quick Start Guide

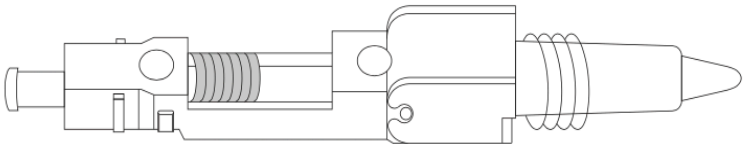
V 2.1

Copyright © 2021 FIBLINE All Rights Reserved.

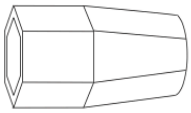
1 Product View



SC housing



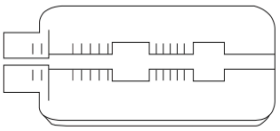
Fast connector



Screw cap

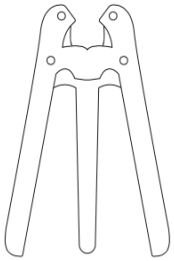
2

Accessories



1X

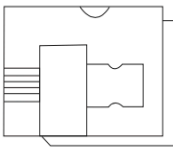
Optional (Not Included)



1X

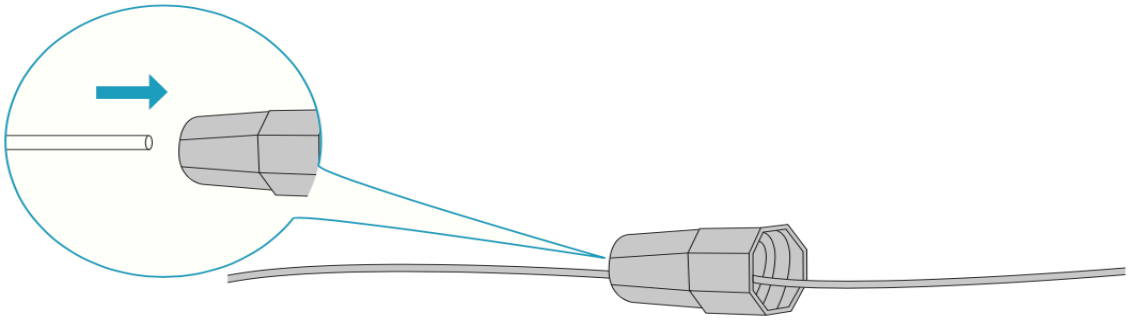


1X



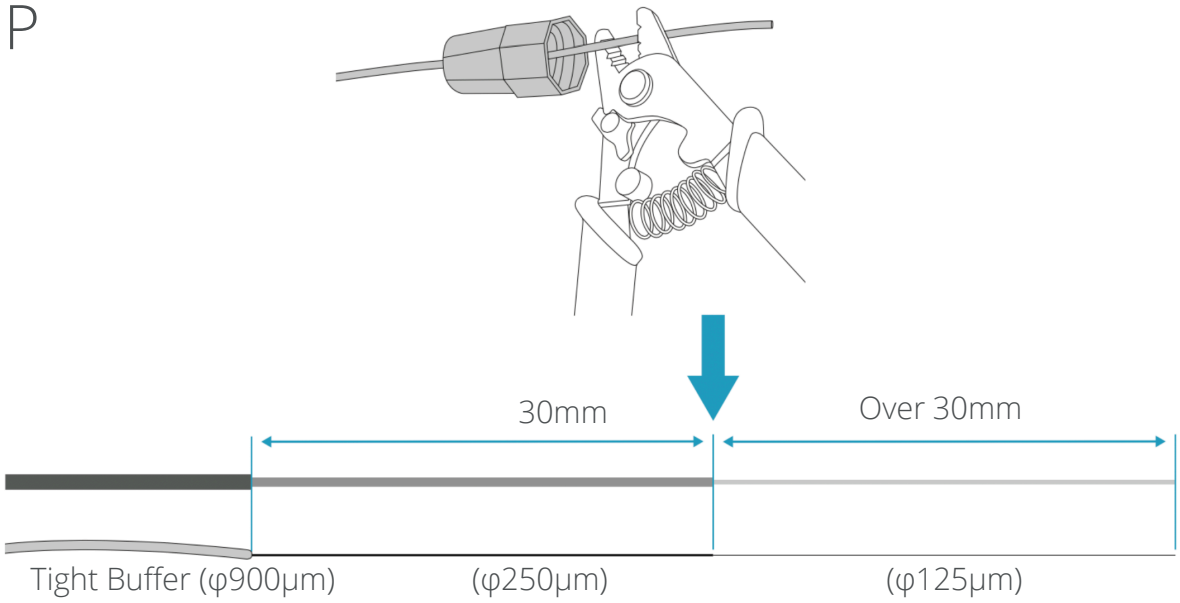
1X

3



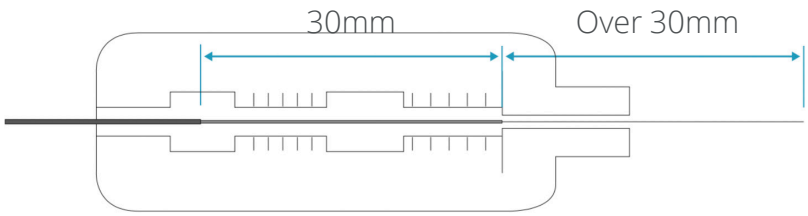
Copyright © 2021 FIBLINE All Rights Reserved.

4
STRIP

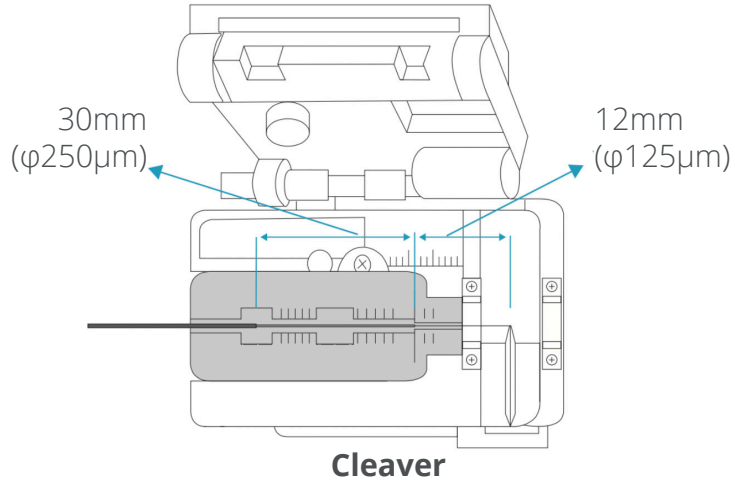


NOTE:
1. Strip off the 900μm tight buffer to 250μm and 125μm as shown above.
2. Clean the fiber after stripping.

5



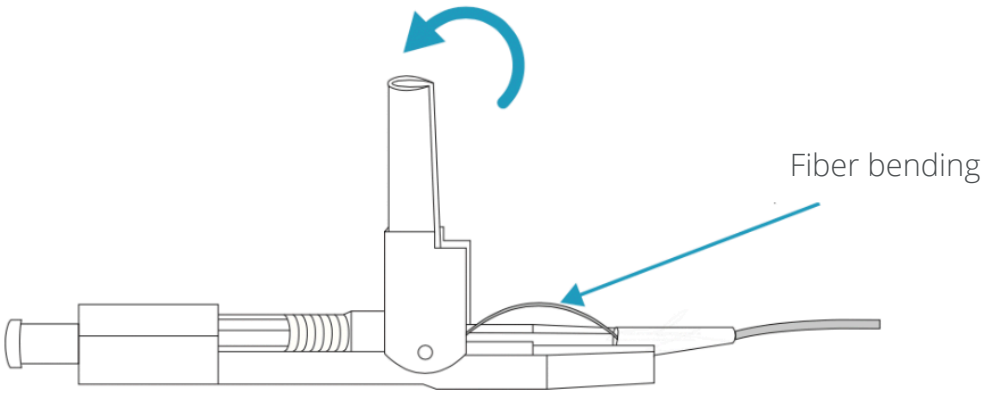
Length Fixed Instrument



Cleaver

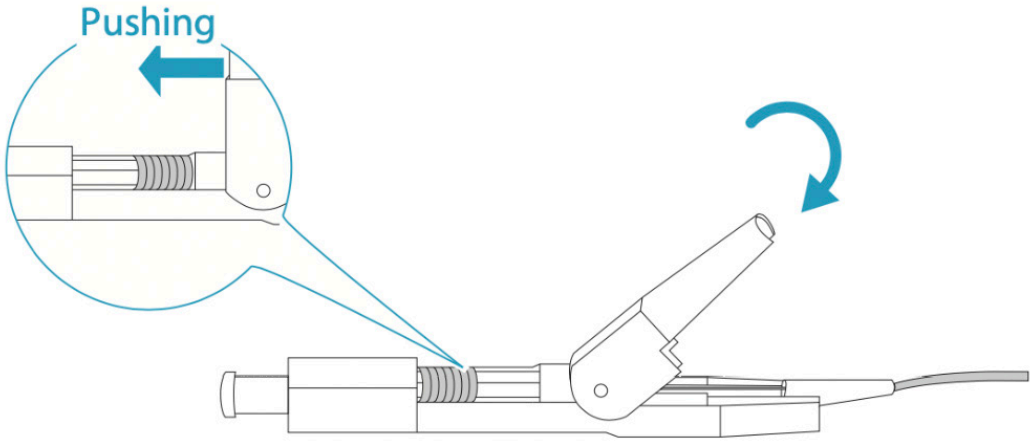
NOTE:
Cut the bare fiber of 125μm to be 12mm with a cleaver and check the length.

6



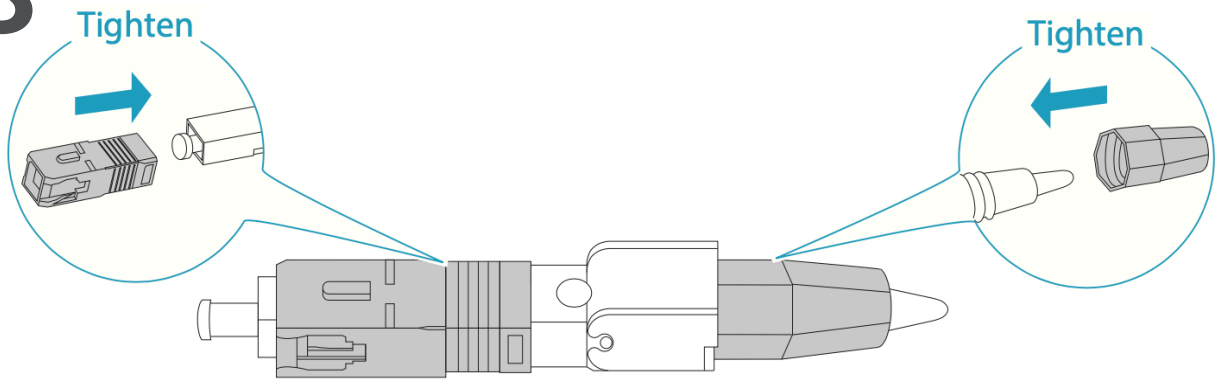
NOTE:
Do not break the fiber.

7



NOTE:
1. Push the yellow cover towards the top to lock the fiber.
2. If you need to reassemble the fiber, pull the yellow cover in reverse with procedure 7. Then pull out the fiber and reassemble.

8



NOTE:
Tighten the housing and the screw cap, then the fiber cannot be reassembled.