

Fast Connector (Field Installation Connector)

N-03 Type Technical Specification

Version: V1.0

Version	Upgrading Reason	Date	Maker	
V1.0		8 th .12.2018	Xiaopeng Wu	

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1 Description

SINDi fast connector (fired installation connector: FIC) can be assembled easily and quickly in the field with no fusion device or special tool. To reduce material waste, the drop cable connector can be repeatedly used for 5 times. The fiber mating alignment and gripping technology include a factory-polished zirconia ferrule, which improve durability and provide a reliable, low-loss fiber termination. The kit can be separately ordered. It contains Trip and cut tool, cleaver, and cleaning paper.

2. Feature

- Easy and convenient field installation in less than 2 mins.
- On-site installation for fiber optical jumper/patch cord with custom length.
- Compact size, total length (including dust protection cap) $\leq 53\text{mm}$
- Screw fixed structure
- Repeatable use, low scrap rate, low cost

3. Picture & Structure

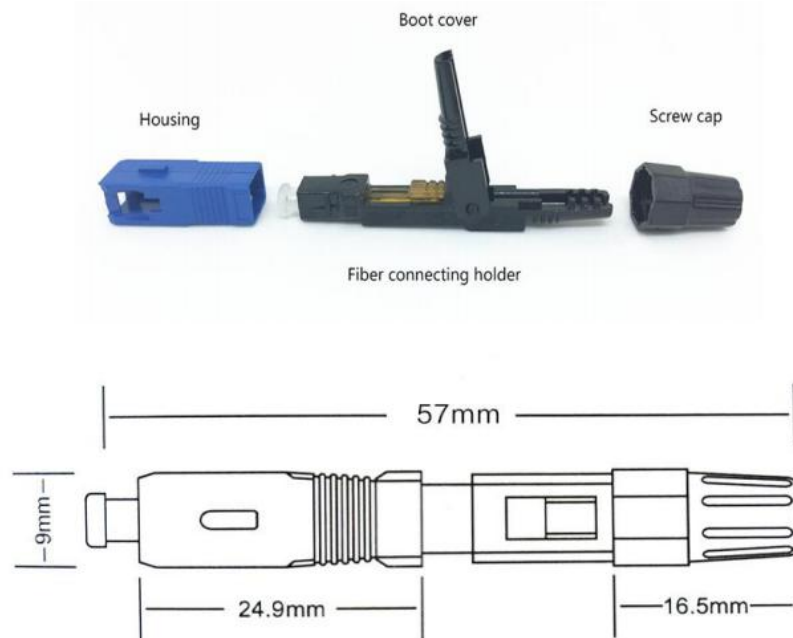


P 1 Fast Connector (FIC) N-03 Type (SC/UPC)

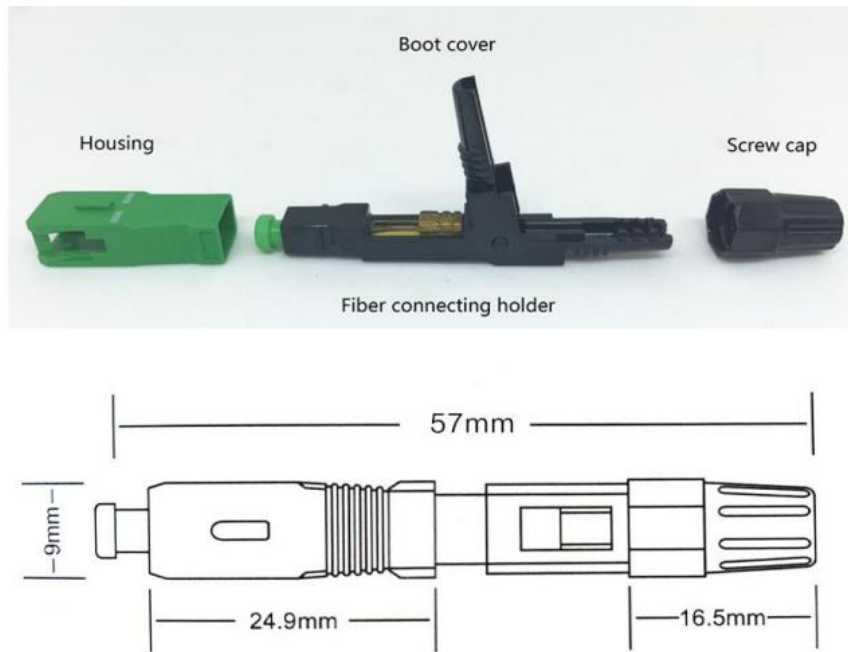


P 2 Fast Connector (FIC) N-03 Type (SC/APC)

3.1 Structure



P 3 Fast Connector (FIC) N-03 Type (SC/UPC) Structure



P 4 Fast Connector (FIC) N-03 Type (SC/APC) Structure

4. Optical Parameter


T4.1 Fast connector N-03 type optical parameter

Insertion loss	Main≤0.25dB	Max.≤0.40dB
Return loss	UPC≥45dB	APC≥50dB
Tensile	△IL<0.3dB @ 40N	
Cable	3.0X2.0mm Drop cable and Φ3.0Cable	
Operating Wavelength	1310 & 1550nm	
Dimension	55x9.7x7.3mm (L*W*H)	
Average assembly time	1 min	
Assembly success rate	≥97%	
Repeatability	>5 times	
Insertion and pull out	>500 times	
TC	-40℃~+85℃, 96hs, insertion Variation<0.3dB	
Standard	Telcordia GR-326-Core:2010 and IEC 61754-4:2002	
Humidity	95%	
Operating temp.	-40℃~+80℃	
Storage temp.	-40℃~+80℃	

5. Order Information



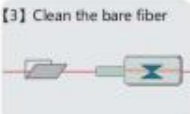
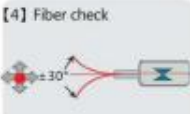
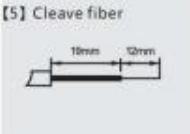





Products	Part NO.	Remark
SC/UPC fast connector	N-0301	Blue
SC/APC fast connector	N-0302	Green
Fixed length cutting slice	XDQAC-DQG	For fixed length cutting, 10pcs Fast connector with 1pc
Fiber cleaver	OFC-1	Optional

6. Operation Manual







**Field Installation Connector
Operation Manual SC/UPC**

● Process

<p>[1] Strip cable</p> 	<p>[2] Strip fiber</p> 
<p>[3] Clean the bare fiber</p> 	<p>[4] Fiber check</p> 
<p>[5] Cleave fiber</p> 	<p>[6] Insert fiber(1)</p>  <p style="text-align: center; font-size: small;">The third</p>
<p>[7] Insert fiber(2)</p>  <p style="text-align: center; font-size: small;">maintaining fiber bending</p>	<p>[8] Fasten the Clip</p> 
<p>[9] Fasten the boot</p> 	<p>[10] Finish assembly</p> 



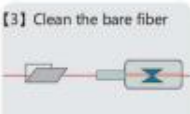
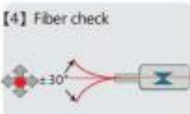
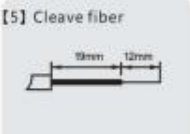





● Reuse

<p>[1] Fix the cap and remove the house</p> 	<p>[2] Release the pressure part</p> 	<p>[3] Open boot and pull out the fiber !</p> 
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Operation Manual SC/APC**

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