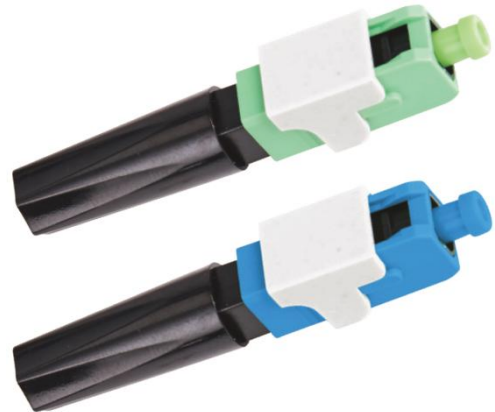




SPFA-SCU-SD

SPFA-SCA-SD



Quick Assembly SC connector can provide quick and easy terminations of fibers in the field. It allows the installer to terminate and make connection in minutes at equipment and fiber patch panels. This connector system with features of high installation quality, high success rate and high reliability.

Product Structure

- Product length:
 $48\text{mm} \leq L \leq 51\text{mm}$



Optical Characteristics

Category	Specification		Remarks
Apply to	Drop cable.Indoor cable		
Fiber mode	Single mode or Multi mode		
Operation time	S	About 50(no fiber cut)	
Insertion Loss	dB	≤ 0.5	
Insertion Loss Typical value	dB	0.3	
Return Loss	dB	UPC ≥ 45 dB; APC ≥ 50 dB;	
Fastening strength of naked fiber	N	≥ 5	
Tensile strength	N	≥ 50	
Reusable	Time	≥ 10 times	
Operating Temperature	°C	-40 ~ +85	
On-line tensile strength(20N)	dB	$\Delta IL \leq 0.3$	
Mechanical durability(500 times)	dB	$\Delta IL \leq 0.3$	
Drop-off test(drop-off height 4m, once per direction, totally 3 times)	dB	$\Delta IL \leq 0.3$	

Environmental performance requirements

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
High TEMP	110°C, 200H	≤ 0.5	≤ 5	No mechanical damage, Like deformation, cracking and untight
Low TEMP	-40°C, 200H	≤ 0.5	≤ 5	
TEMP Cycling	-40 ~ 85°C, 3.5H/Cle, 100C	≤ 0.5	≤ 5	
HAST	110°C, 90%RH, 200H	≤ 0.5	≤ 5	
Immersion	25°C, 200H	≤ 0.5	≤ 5	
Salt Mist	5% NaCl, 6.5 < PH < 7.5, 35°C, 200H	≤ 0.5	≤ 5	

Mechanical Performance Requirements



Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
Impact	Height: 4m; 1 drop each axis; 3 cycles	≤ 0.5	≤ 5	No mechanical damage, like deformation, cracking and untight
Vibration	Frequency: 10 ~ 50HZ; Sweep: 45 times / min; amplitude: 0.75mm; Duration: 30min each axial	≤ 0.5	≤ 5	
Torsional	Pull: 15N; The distance between Loading location and fast connector: L = 22-28cm; Rate: 10times /min. Times: 200	≤ 0.5	≤ 5	
Tensile	Pull: 50N; The distance between Loading location and fast connector: L = 22-28cm; Duration: 1min.	≤ 0.5	≤ 5	

Packaging

- Blister Box Packing

	Size(CM)	14.7*7.1*1.7
	QTY(PCS/Box)	10
	N.W(KG/PCS)	0.0045
	N.W(KG/Box)	0.045
	G.W(KG/Box)	0.048



- Gift Box Packing(Inner packing)

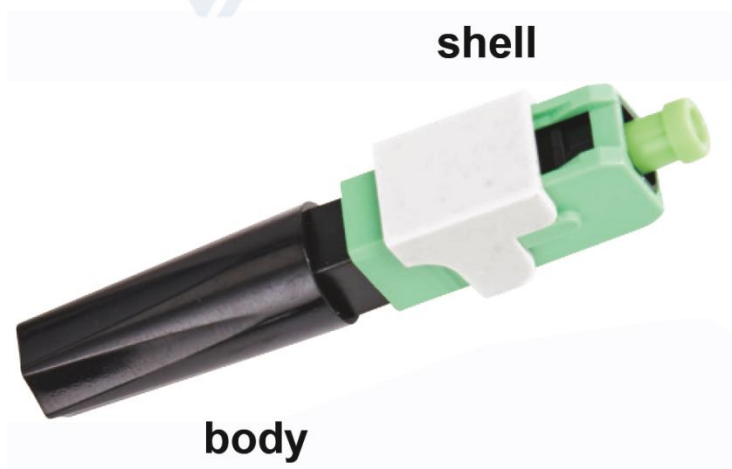
	Size(CM)	15.5*11.5*7.5
	QTY(Blister Box/Girt Box)	100
	N.W(KG/Box)	0.45
	G.W(KG/Box)	0.48

- Outer Packing

	Size(CM)	41*32*24.5	
	QTY(Gift Box/Box)	20	
	QTY(Pcs/Box)	2000	
	N.W(KG/Box)	9	
	G.W(KG/Box)	9.6	

Operation Instruction

Product Components



● Necessary Tools



FTTH Drop Cable Stripper



Fiber Stripper



Fixed length device

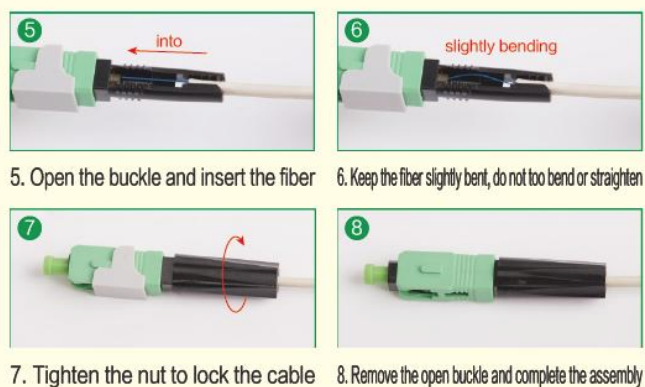
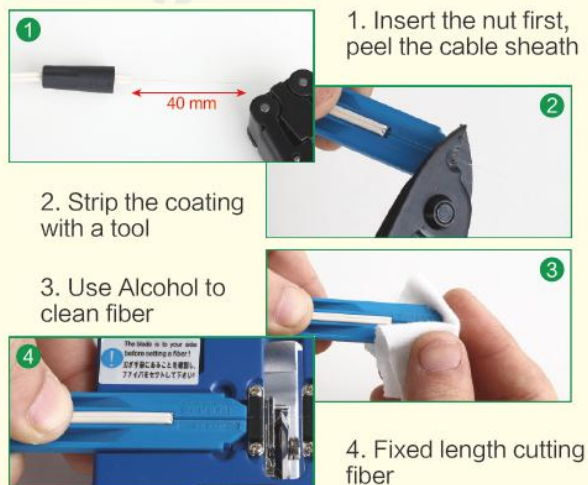


Dust-free cloth & alcohol bottle



Fiber Cleaver

● Operation Steps



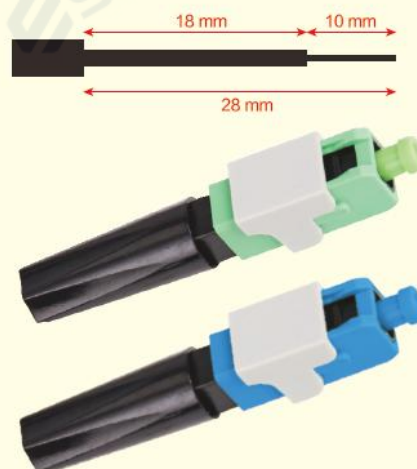
Operational attention:

1. Wipe the fiber first and then cut it. Do not wipe it after cutting.
2. Keep the fiber slightly bent, do not bend too much or straighten



Please read before use:

The optical fiber must be cut with a good cutting knife. The only premise is to prohibit the fiber from being cut off by any other means. The total length of the device cannot be turned on as shown in the figure. Confirm that the bare fiber penetrates the fiber in the range of 10mm to keep the microbend. Straight, after tightening the nut, the lock switch has a large loss or fiber breakage. The fiber length is >10mm, resulting in unused cutters. Unusual cutting will cause communication interruption.



Ordering Information

Part Number	Product Description
SPFA-SCA-SD	Fast Connector SC/APC Simplex SM with opening V slot tool D type
SPFA-SCU-SD	Fast Connector SC/UPC Simplex SM with opening V slot tool D type

Note: If you need more customized services, please contact us.

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Web : <http://www.sopto.com.cn>