

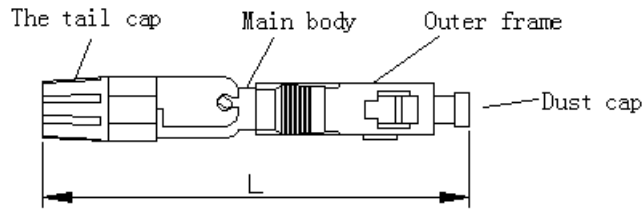
Specification

Product Name	Fast Connector	Product Modle	SC/APC Fast Connector
File Numbers	CFO-170306-003	Version	2017-0A
			
	ESCRIBED	CHECKED	APPROVED
NAME			
DATE			

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1. Product Structure

1.1 Measured the Structure



1.2 Product length

$$50\text{mm} \leq L \leq 60\text{mm}$$

2. Optical Characteristics

Category	Specification		Remarks
Aoolicable for	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	≥ 50	
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 height4m, once per direction, totally 3 times)	dB	$\Delta IL \leq 0.3$	

3. Environmental performance requirements

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
High TEMP	110°C, 200H	≤ 0.5	≤ 5	No mechanical damage, like defo
Low TEMP	-40°C, 200H	≤ 0.5	≤ 5	


TEMP Cycling	-40~85°C, 3.5H/C1e, 100C	≤0.5	≤5	rmation, cracking and untight
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	

4. 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	

5. Product Packaging Information

5.1 Blister Box Packing

	Size (CM)	14.5x7x1.5
	QTY (PCS/Box)	10
	N. W (KG/PCS)	0.0034
	N. W (KG/Box)	0.034
	G. W (KG/Box)	0.0415