



Shenzhen OPTICO Communication Co., Ltd.

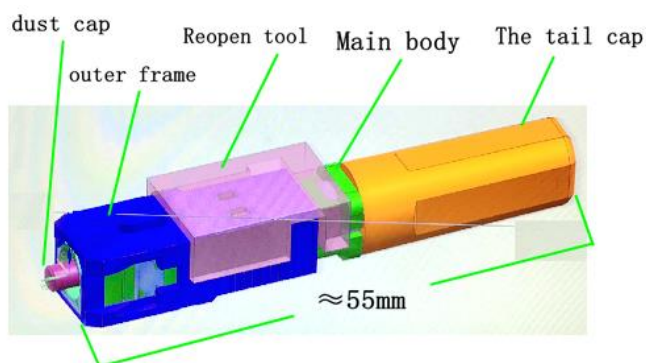
SC APC Fast Connector specification

Product Name	OP-YL-55 Fast Connector	Product Modle	SC/APC Fast Connector
File Numbers		Version	
			
	ESCRIBED	CHECKED	APPROVED
NAME		Li Qing	Guo Lin
DATE			

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1.Product Structure

1.1 Measured the Structure



$$50\text{mm} \leq L \leq 60\text{mm} (\approx 55\text{mm})$$

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	≥ 45	
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	$\Delta IL \leq 0.3$	

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/C1e, 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	


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	
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5. Product Packaging Information


5.1 Blister Box Packing

	Size (CM)	15.2*8.5*1.6
	QTY (PCS/Box)	10
	N. W (KG/PCS)	0.0034
	N. W (KG/Box)	0.0465
	G. W (KG/Box)	0.034

5.2 Gift Box Packing (Inner packing)

	Size (CM)	21*16*9.5
	QTY (Blister Box/Gift Box)	20
	N. W (KG/Box)	1.02
	G. W (KG/Box)	0.68

5.3 Outer Packing

	Size (CM)	48*34*23	
	QTY (Gift Box/Box)	20	
	QTY (Pcs/Box)	2000	
	N. W (KG/Box)	11	
	G. W (KG/Box)	10	