



SC/APC Fast Connector

Specification

Product Name	Fast Connector	Product Modle	SC/APC Fast Connector
File Numbers		Version	
	ESCRIBED	CHECKED	APPROVED
NAME			
DATE			

1.Product Structure(Unit:MM) 2

2.Optical Characteristics.....2

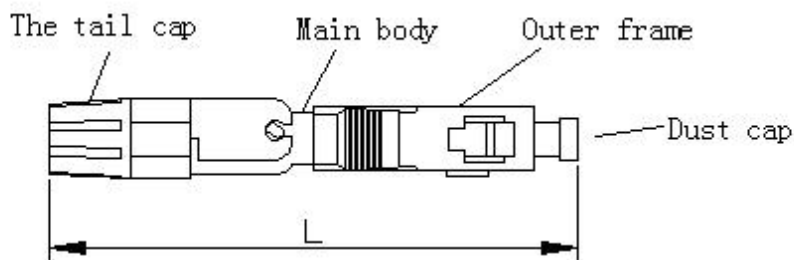
3.Environmental performance requirements.....3

4.Mechanical Performance Requirements.....3

5.Product Packaging Information.....4

Product Structure

1.Measured the Structure



2.Product length

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

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	℃	-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	$\Delta IL \leq 0.3$	



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	



Product Packaging Information


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

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

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