



Specification

Product Name	Fast Connector	Product Modle	SC/APC Fast Connector
File Numbers	MT-161111-001	Version	2016-0A
			
	DESCRIBED	CHECKED	APPROVED
NAME			
DATE			



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1.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 height4m, once per direction, totally 3 times)	dB	$\Delta IL \leq 0.3$	



2. Environmental performance requirements

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

3. 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	

4. Product Packaging Information

4.1 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

4.2 Gift Box Packing (Inner packing)

	Size (CM)	15x7.6x1.8
	QTY (Blister Box/Gift Box)	1
	N. W (KG/Box)	0.034
	G. W (KG/Box)	0.054

4.3 Outer Packing

	Size (CM)	49X32X32.5	49X32X17
	QTY (Gift Box/Box)	200	100
	QTY (Pcs/Box)	2000	1000
	N. W (KG/Box)	6.8	3.4
	G. W (KG/Box)	12	6.5