

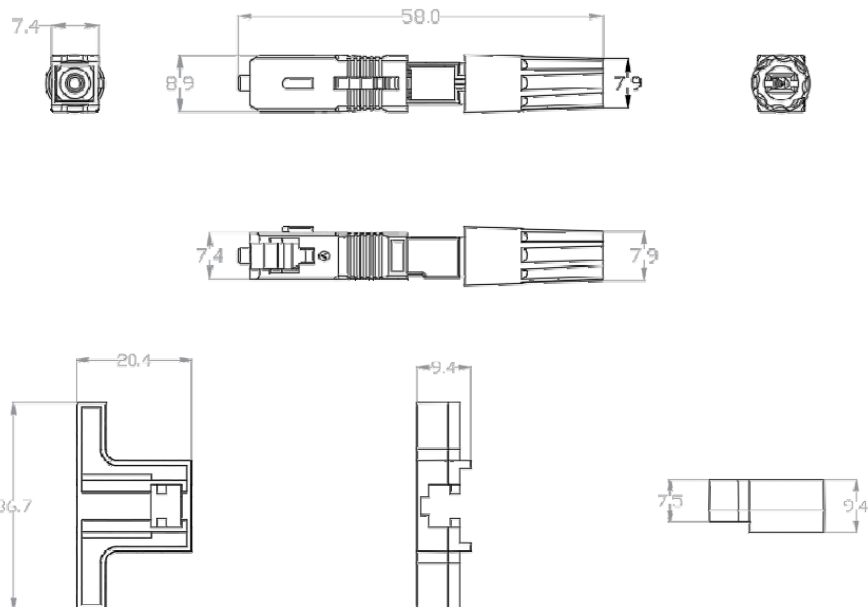
TM-18 Fast Connector UPC / APC



UPC



APC



Product length: 58MM

Optical Characteristics

Category	Specification
Applicable for	Drop cable. Indoor cable
Fiber mode	Single mode
Fiber type	G.657A2
Fiber cable	3.0*2.0mm rubber-insulated optical cable Φ 3.0 insulated optical cable
Fiber diameter	0.125mm
Force holds 2 x 3mm cable type at the beginning the fast connector	$\geq 45 \text{ N}$, loss $\leq 0.3 \text{ dB}$
Fiber lock	Lock holds fiber reliability, bears hang force $\geq 1\text{N}$, attenuation changes $\leq 0.2 \text{ dB}$

Working wavelength	1310 nm, 1490 nm, 1550 nm	
Operation time	S	About 50(no fiber cut)
Insertion Loss	dB	Average ≤ 0.3 DB, max ≤ 0.5 DB
Insertion Loss Typical value	dB	0.3
Return Loss	dB	UPC ≥ 50 , APC ≥ 55
Tensile strength	N	≥ 45
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 height 4m, once per direction, totally 3 times)	dB	$\Delta IL \leq 0.3$

Environmental performance requirement:

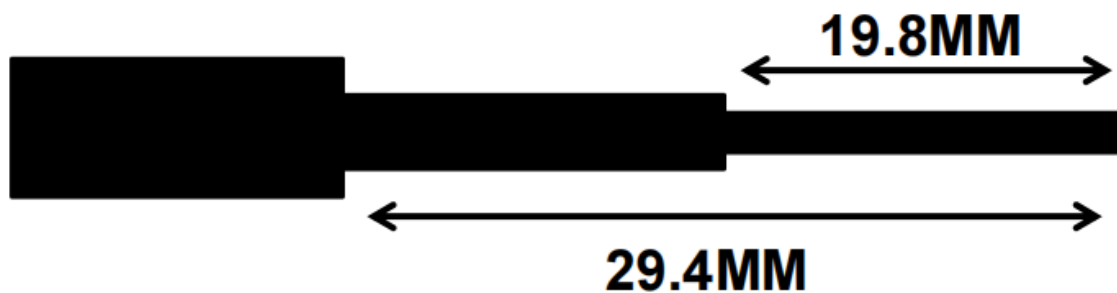
Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
High TEMP	85°C, 96H	≤ 0.3	≤ 5	No mechanical damage, like deformation, cracking and untight
Low TEMP	-40°C, 96H	≤ 0.3	≤ 5	
Temperature Cycle	Cycle: 8 hours Total: 12 cycles / 96 hours Temperature Maintenance: 1 hour	≤ 0.3	≤ 5	
Temperature/ Humidity	85°C, 95%RH, 96H	≤ 0.3	≤ 5	
Immersion	25°C, 96H	≤ 0.3	≤ 5	
Salt Mis	5%NaCl, 6.5 < PH < 7.5, 35°C, 96H	≤ 0.3	≤ 5	

Mechanical Performance Requirement

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
Impact	Height: 4m; 1 drop each axis; 3 cycles	≤ 0.3	≤ 5	No mechanical damage, like deformation, cracking and untight
Vibration	Frequency: 10 ~ 50HZ; Sweep: 45 times / min; amplitude: 0.75mm; Duration: 30min each axial	≤ 0.3	≤ 5	

Torsiona	Pull:15N; The distance between Loading location and fast connector: L = 22-28cm; Rate:10times/min. Times:	≤ 0.3	≤ 5	
Tensile	Pull: 50N; The distance between Loading location and fast connector: L = 3M; Duration:1min	≤ 0.3	≤ 5	

Cleave fiber:



Adapter (supports strip and cut fiber):



1 Adapter / 50 Fast connectors



1 Operation Manual / 50 Fast connectors

Product Packaging Information:**Blister Box Packing**

	Size(CM)	2.5*7
	QTY(PCS/Box)	1
	N.W(G/PCS)	4.95
	N.W(G/Box)	4.95
	G.W(G/Box)	5.55

For More Information:

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