

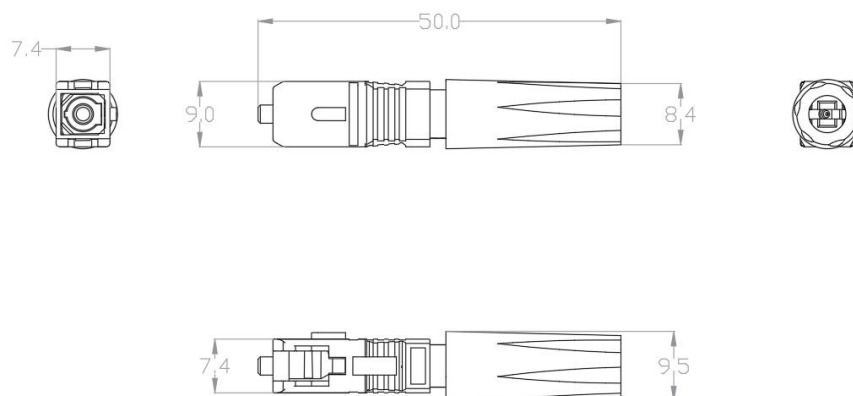
TM-04 Fast Connector UPC / APC



UPC



APC



Product length: 50MM

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 / Φ 2.0/ Φ 0.9 insulated optical cable	
Fiber diameter	0.125mm	
Force holds 2 x 3mm cable type at the beginning the fast connector	≥ 45 N, loss ≤ 0.3 dB	
Fiber lock	Lock holds fiber reliability, bears hang force ≥ 1 N, attenuation changes ≤ 0.2 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	$\Delta IL \leq 0.3$

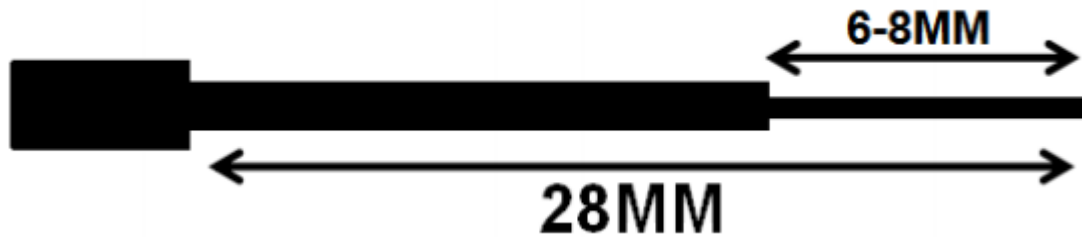
Environmental performance requirement:

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	

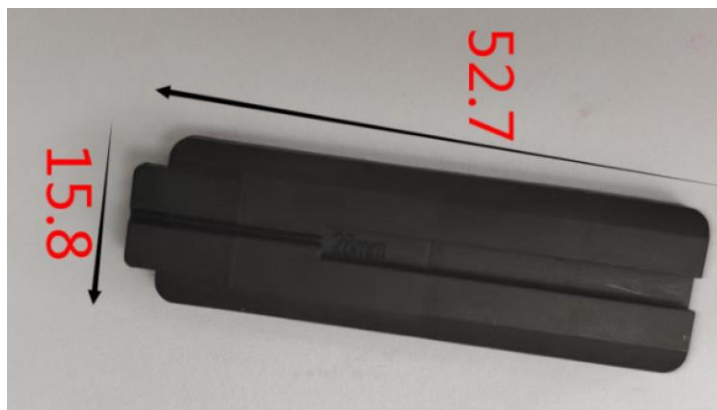
Mechanical Performance Requirement

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: 10 times/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)	14.5*7*1.5
	QTY(PCS/Box)	10
	N.W(G/PCS)	3.15
	N.W(G/Box)	31.5
	G.W(G/Box)	40

For More Information:

Email: sales@telemax.cn
www.telemax.cn