

TIBTRONIX TECHNOLOGY CO., LTD.



SC FastConnector

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Shenzhen Tibtronix Technology Co., Ltd.

3/F, 12th Building, Nangang 1st Industrial Park, Baimang Xili, Songbai Road, Nanshan District, Shenzhen, China

Tel: +86 755 23316583

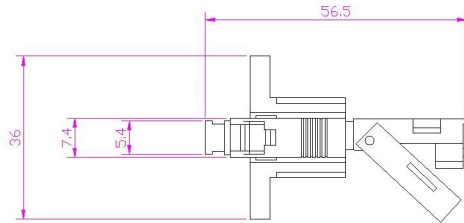
Fax: +86 755 29810056

E-mail: sales@tibtronix.com

<http://www.tibtronix.com>

Product Structure:

Measured the Structure



Product length:56.5MM

Optical Characteristics:

Category	Specification
Applicable for	Drop cable. Indoor cable, FTTH Cable
Fiber mode	Single mode or Multi mode
Fiber type	G.652D, G.657A2,
Fiber cable	3.0*2.0mm rubber-insulated optical cable $\varnothing 3.0/\varnothing 2.0/\varnothing 0.9$ insulated optical cable
Fiber diameter	0.125mm
Force holds 2 x 3mm cable type at the beginning of the fast connector	≥ 45 N, loss ≤ 0.3 dB
Fiber lock	Lock holds fiber reliability, bears hang force ≥ 1.5 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	≤ 0.35
Insertion Loss Typical value	dB	0.3
Return Loss	dB	UPC ≥ 50 , APC ≥ 55
Fastening strength of naked fiber	N	≥ 3
Tensile strength	N	≥ 45
Reusable	Time	≥ 10 time
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 requirements:

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 <	≤ 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,
Vibration	Frequency: 10 ~ 50HZ; Sweep: 45 times / min; amplitude: 0.75mm;	≤ 0.3	≤ 5	

Torsional	Pull: 15N; The distance between Loading location and fast connector: L = 22-28cm; Rate: 10times / min. Times:	≤0.3	≤5	
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Product Packaging Information:

Blister Box Packing

	Size(CM)	2.5*7
	QTY(PCS/Box)	10
	N.W(G/PCS)	4.95
	N.W(G/Box)	49.5
	G.W(G/Box)	52.47

Adapter (supports strip and cut fiber)

:



1 adapter / 10 fast connectors



1 Operation Manual/ 10 fast connector

Cleavefiber:



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