



**product description:**

1. Push-tube type fastening structure, optical fiber fastening, stable and reliable docking.
2. One-piece structure, simple structure, stable and reliable, excellent comprehensive cost.
3. Simple operation, fast construction speed, high installation success rate, long life cycle, simple and convenient post-maintenance.

**Product Structure :**

Measured the Structure



**Product length :**

50mm ≤ L ≤ 60mm (~51m)

**Optical Characteristics:**

Category	Specification
Applicable for	Drop cable. Indoor cable
Fiber mod	Single mode or Multi mode
Fiber type	G.652D, G.657A2,
Fiber cable	3.0*2.0mm
Fiber diameter	0.125mm
Force holds 2 x 3 mm cable type at the beginning the fast connector	≥ 30 N, loss ≤ 0.3 dB (sample cable length: 3M test time: 2 minutes)
Fiber lock	Lock holds fiber reliability, bears hang force ≥ 1.5N, attenuation changes ≤ 0.3 dB
Working wavelength	1310 nm, 1490 nm, 1550 nm

Operation time	S	About 40(no fiber cut)
Insertion Loss	dB	≤0.5
Insertion Loss Typical value	dB	0.3
Return Loss	dB	UPC≥50, APC≥55
Fastening strength of naked fiber	N	≥ 1.5
Tensile strength	N	≥35
Reusable	Time	≥ 10 time
Operating Temperature		-40~+85
On-line tensile strength ( 20N)	dB	ΔIL≤0.3
Mechanical durability (500 times)	dB	ΔIL≤0.3
Drop-off test (drop-off height4 m, once per direction, totally 3 times)	dB	ΔIL≤0.3

**Environmental performance requirements:**

Category	Specification			
	Condition	IL Variation	RL Variation	Appearance
High TEMP	85C, 168H	≤0.3	≤5	No mechanical damage, like deformation, cracking and untight
Low TEMP	-40C, 168H	≤0.3	≤5	
Temperature Cycle	Cycle: 8 hours Total:12 cycles /168 hours Temperature Maintenance: 1 hour	≤0.3	≤5	
Temperature/Humidity	85C, 95%RH, 168H	≤0.3	≤5	
Immersion	25C, 168H	≤0.3	≤5	
Salt Mis	5% Nacl, 6.5 < PH < 7.5,35C, 168H	≤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: 30 min each axial	≤0.3	≤5	
Torsional	Pull : 15N; The distance between Loading location and fast connector: L = 22-28cm; Rate : 10times / min Times:	≤0.3	≤5	

Tensile	Pull : 30N; The distance between Loading location and fast connector: L = 3M; Duration: 1min	≤0.3	≤5	
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**Product Packaging Information :**

**Blister Box Packing**

**Adapter (supports strip and cut fiber):**



1 adapter / 50 fast connectors.



1 Operation Manual / 100 fast connectors

