



# TAKFLY COMMUNICATIONS CO., LTD.

ADD: Takfly Industrial Park, Tongsheng Community, Dalang Street, Longhua District, Shenzhen, 518109, China.

Tel: +86-755-28106528

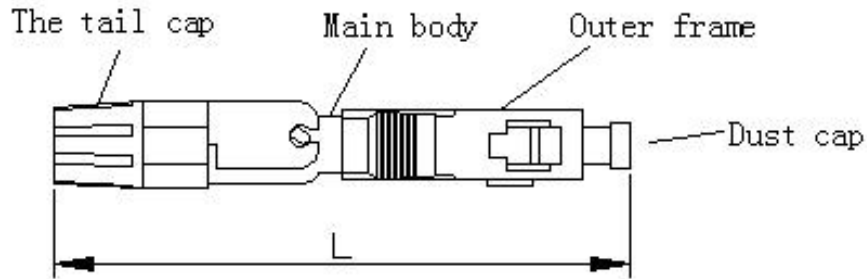
Fax: +86-755-23777278

## DF-5501 Fast Connector



### Product Structure:

Measured the Structure



### Product length:

50mm ≤ L ≤ 60mm (≈ 55mm)

### Optical Characteristics:

Category	Specification
Applicable for	Drop cable, Indoor cable
Fiber mode	Single mode or Multi mode
Fiber type	G.652D, G.657A1
Fiber cable	3.0*2.0mm rubber-insulated optical cable ∅3.0/∅2.0/∅0.9 insulated optical cable
Fiber diameter	0.125mm
Force holds 2 x 3mm cable type at the beginning of the fast connector	≥ 40 N, loss ≤ 0.4 dB (sample cable length: 22 - 28 cm, test time: 2 minutes)
Fiber lock	Lock holds fiber reliability, bears hang force ≥ 3.8 N, attenuation changes ≤ 0.2 dB
Working wavelength	1310 nm, 1490 nm, 1550 nm



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Operation time	S	About 50(no fiber cut)
Insertion Loss	dB	≤0.35
Insertion Loss Typical value	dB	0.3
Return Loss	dB	UPC≥45, APC≥55
Fastening strength of naked fiber	N	≥3
Tensile strength	N	≥40
Reusable	Time	≥10 times
Operating Temperature	°C	-40~+85
On-line tensile strength(20N)	dB	Δ IL ≤0.3
Mechanical durability(500 times)	dB	Δ IL ≤0.3
Drop-off test(drop-off height 4m, once per direction, totally 3 times)	dB	Δ IL ≤0.3

## Environmental performance requirements:

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

## Mechanical Performance Requirements:

Category	Specification			Appearance
	Condition	IL Variation	RL Variation	
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	



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## Product Packaging Information:

### Blister Box Packing



Size(CM)	14.6*7.6*1.6
QTY(PCS/Box)	10
N.W(KG/PCS)	0.0031
N.W(KG/Box)	0.031
G.W(KG/Box)	0.0465

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

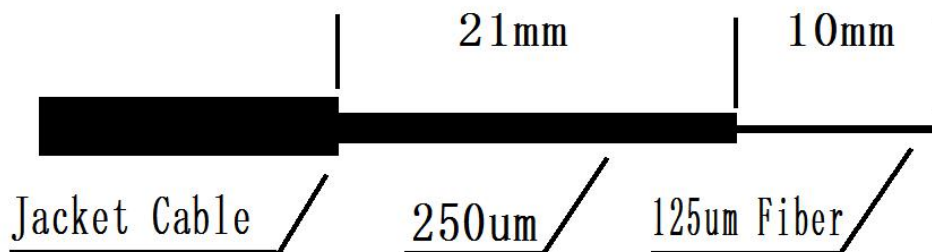


1 adapter / 50 fast connectors



1 Operation Manual/ 10 fast connectors

### Cleave fiber:





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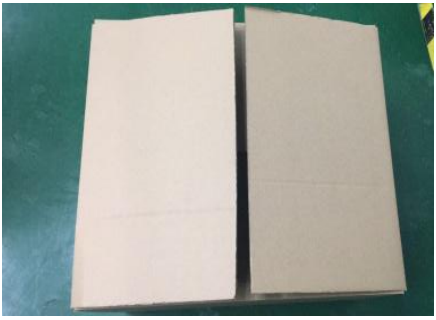
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## Gift Box Packing (Inner packing):

	Size(CM)	15.8*14.5*9.5
	QTY(Blister Box/Gift Box)	10
	N.W(KG/Box)	0.52
	G.W(KG/Box)	0.55

## Outer Packing:

	Size(CM)	46*46*32.5
	QTY(Gift Box/Box)	30
	QTY(Pcs/Box)	3000
	N.W(KG/Box)	15.3
	G.W(KG/Box)	16.5