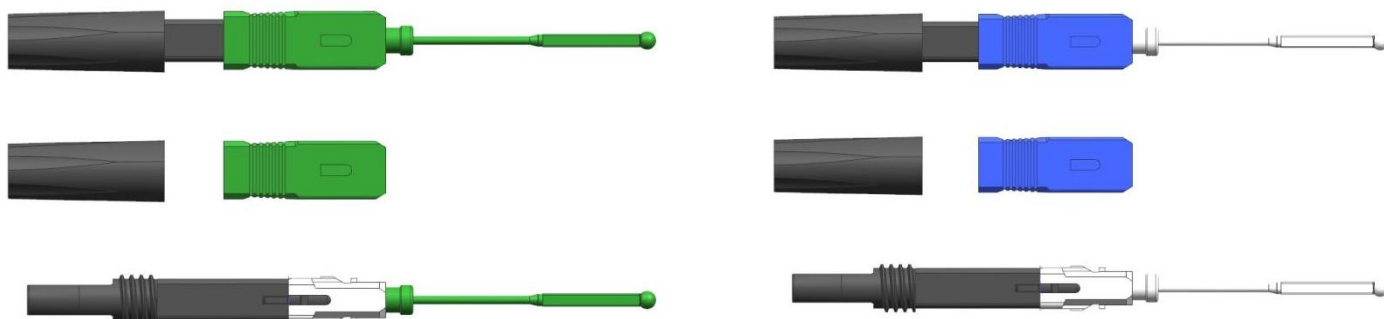
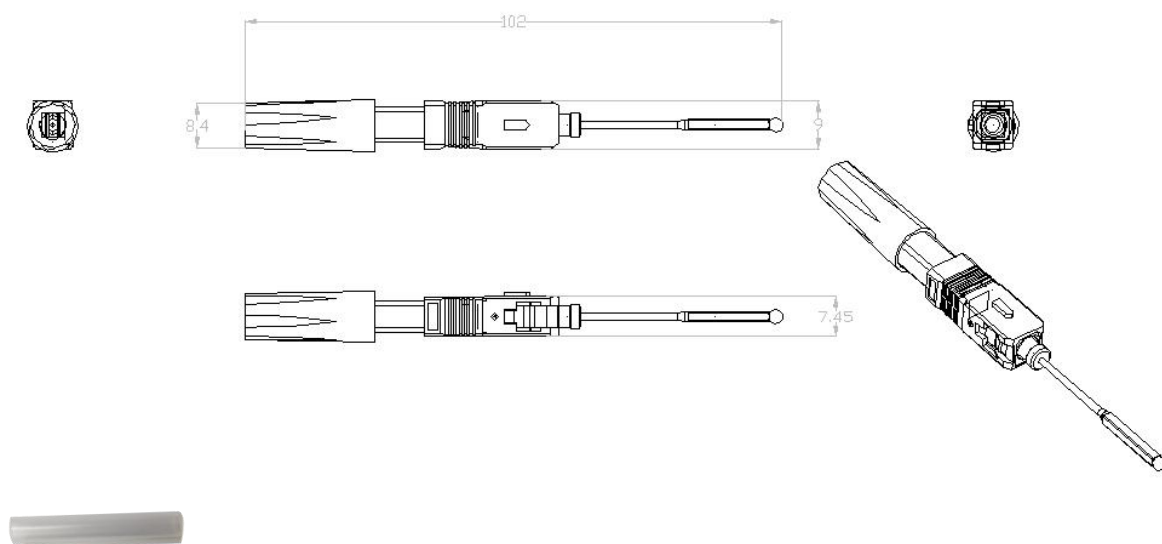


Fast Connector



Product Structure:

Reference drawing



Product length: 102MM

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	
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% Na Cl, 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	
Torsional	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 lo cation and fast connector: L = 3M; Duration:1min	≤0.3	≤5	

Product Packaging Information:

Blister Box Packing

	Size(CM)	21*12*1.35
	QTY(PCS/Box)	10
	N.W(G/PCS)	4.2
	N.W(G/Box)	42
	G.W(G/Box)	65

Adapter (supports strip and cut fiber):

SC Hot Melt Type

Embedded Quick Assembly Connector

Operation Instruction

Thank you very much for your purchase and use of this product.
In Order to use this product correctly, be sure to read this manual before using.

Application:Fiber Optic Distribution Frame / Optical Network Unit / FTTH / CATV etc.
Insertion Loss ≤0.1dB
Return Loss: UPC≥55dB APC≥65dB.

Product Components

Connector Housing

SC/APC Housing

SC/APC Housing

Heat Shrink Tubing

Connector Body

Use The Tools



Peel line opener



Miller pliers



Optical fiber cleaver



Welding machine

Operation Steps

Note: The following steps must ensure that the cleaning of the product and fiber.

1. Insert optical cable into heat shrink tubing connector housing and screw cap.



2. Strip cable jacket by peel line opener.



3. Cut the fiber by cleaver.



4. Assemble fiber optic connector,do not remove the dust cap.



5. Strip the fiber from connector root by miller pliers.



6. Place the whole connector in the heating fixture of welding machine. Put in heat shrink tubing.



6. Put housing and finish assembling



Product Feature

Hot-melt field quick connector is directly with a grinding of the ferrule connector directly with the butterfly cable 3.0mm,2.0mm,0.5mm using a welding machine welding. the welding point inside the connector tail, the weld is no need for additional protection, relative to the mechanical Quick connector, hot-melt field quick connector can improve the optical performance of the connector, and to achieve 100% pass rate, extend the service life of the connector, reduce the cost of late maintenance.



Do not look directly at the end of the fiber when the laser signal is being transmitted

1 Operation Manual/ 50 fast connectors

Gift Box Packing(Inner package):



Size(CM)	21*12*12
QTY(Blister Box/Girt Box)	10
N.W(G/Box)	420
G.W(G/Box)	685

Outer Package:



Size(CM)	63*22.5*25.5
QTY(Gift Box/Carton)	10
QTY(Pcs/Carton)	1000
N.W(KG/Carton)	4.5
G.W(KG/Carton)	7.7