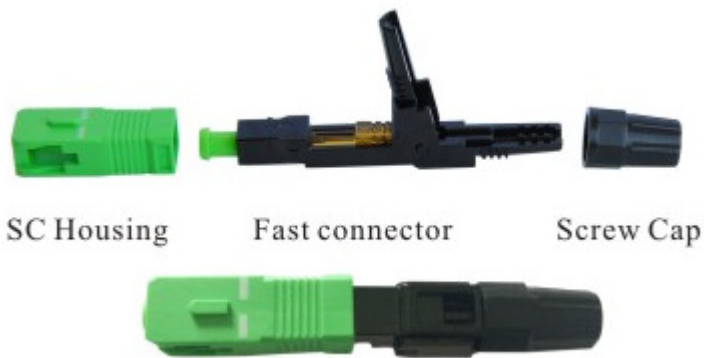# Technical Datasheet

SC/APC Fast Connector

DESCRIPTION

The fast connector is designed for high quality and high efficiency installation,
the structure of crimping position is a unique design, and need not gluing, polishing neither any consumables.
-adopted fiber pre-installed structure.
-could be reused, and convenient for field installation.

SC Housing   Fast connector   Screw Cap

FEATURES

-No special assembly tool
-Can be reconnected in the field
-No epoxy or polishing required
-Compatible with both 3mm drop cable and 3x2mm flat cable
-Fast and easy installation (within 90s)

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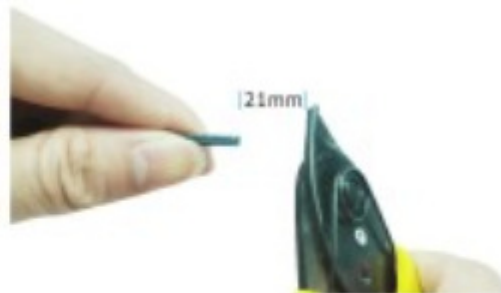

TECHINCAL SPECIFICATIONS

Items	Parameters
3D analysis ferrule (3-D Geometry test)	ROC/Apexoffset/FiberHeight/APC-Angle/KeyError
Coating Diameter	250/900µm
Connector	SC/APC
Optical Fiber:	G652D ,G.657A1
Wavelength operation	1310nm, 1490nm and 1550nm
Cut fiber length:	10mm
IL (at 1310nm and 1550nm)	≤ 0.4 dB
RL (at 1310nm and 1550nm)	≥ 55dB
Changing for IL after 100 times plug into coupler	≤ 0.5dB
Tension for 2x3 drop cable at top of fast connector	≥ 40N, IL ≤ 0.4 dB
Ability to reuse	≥ 10 times
Cables used	2x3 mm
Working temp	-10 ~ 60°C
lifespan	≥10 years
clear paper form together with fast fiber optic connector	01 sample/01fast connector
Optical knife used during the construction	Flat cutter (meet insertion loss and return loss)
Lock fiber optic	Locks certainly keep optical fiber, optical fiber withstand the force hanging ≥3N, attenuation change ≤ 0,2dB. operation flexible construction.
Accessories	-1 adapter/50 fast connector -1 Cleaning paper
Artwork Adapter	
labels	- Standards of label attached: 　+ Material: Material decal. 　+ Color: White. 　+ Thickness :> = 0.15mm. 　+ Glue: Glue pressure sensitivity. 　+ Class background: The background matte. 　+ Operating Temperature: 0 ° C to 60 ° C 　+ Dimensions: As pictures 　+ Can adhesive, not cut. 　+ Labels printed information in the form:
Guarantee	≥ 18 month

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SC Housing   Fast connector   Screw Cap

① Remove the parts and arrange them in neat row

② Penetrate the screw cap through the covered wire cable

③ Stripe the covered wire, stripped length 50mm

④ Stripe fiber coating, keep 21mm

⑤ Cut out the excess fiber

⑥ Fiber length after cut out

⑦ Penetrate the fiber, let it a bit bending

⑧ Keep fiber bending, and lock the lock catch

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⑨ Put down tail clip, tighten screw cap, and install the housing.

Re-open

① Remove the housing, pull down lock catch

② Pull down screw cap, pull out the covered wire, and re-assembly.

Ordering Information

Part Number	Wavelength	Connector	Type
FHC-8000SA	1310/1490/1550nm	SC/APC	Embedded Fiber