

DRAWN BY	CHECKED BY	APPROVED BY
Yong Yu	Xun Zhang	Yong Huang
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## Fiber Optic Mechanical Splice



### 1. Description:

Fiber optic Mechanical splice will play an irreplaceable role in FTTH access, fiber optic quick connector on-site termination technology just to solve this problem, Its main internal component is a precision v-groove, after the two pigtailed fibers using a cold connector to achieve the two pigtailed docking ;without the need for fusion splicing operation is convenient and fast, low cost of connection, truly realize anytime, anywhere access!

## 2. Features:

1. Structural use of non-pre-embedded fiber-optic structure.
2. The reliability of fiber optic clamping is very good.
3. Good stability of connection.
4. Small insertion loss.
5. The use of good maintenance.
6. The installation speed is very fast.
7. Meet IP65 waterproof requirements.

## 3.Characteristic:

Item	Parameter
Cable Scope	2 * 3.0 mm butterfly cable ,2 * 5.0 mm butterfly cable
Device length	About 96.5mm
Fiber Diameter	125 $\mu$ m
Coating Diameter	250 $\mu$ m
Fiber type	G657A1
Insertion Loss	Max: 0.2dB Typical: 0.1dB (1310nm ~ 1550nm)
Return Loss	$\leq$ -45dB
Success Rate	>98%
Reusable Times	>5 times
Tighten Strength of Naked Fiber(Use Fortis fiber)	>3 N ; IL change $\leq$ 0.2dB (Test time: 2 minutes)
Force holds 2 x 3 mm cable type at the beginning of the fast connector	$\geq$ 40 N, loss $\leq$ 0.2 dB (Test time: 2 minutes)
Working temperature	-10 ~ +60 C
Storage Temperature	-40 ~ +85 C
Drop Test (4m concrete floor, once each direction, three times total)	IL change $\leq$ 0.3dB
Waterproof grade	IP65