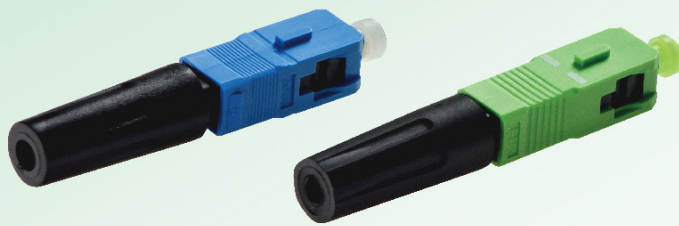Field Assembly Connector is a very convenient optical fiber connector which can be field assembled and installed quickly, it is the best choice for drop cable termination. There are two types, they are Mechanical Field Assembly Connector and Fusion Splice Field Assembly Connector.

It has been widely used in the world with features such as rapid installation, time saving, compatible with standard SC and FC connectors/adaptors, and it can raise the efficiency of FTTH service provisioning.

FiberHome

**FiberHome
Field Assembly Connector**

Features

1. Can be assembled on fiber or cable sheath
2. Easy assembly, no special tools required
3. The connection can be verified easily after assembly
4. Pre-installed fiber, pre-polished ferrule surface

Application

1. Fiber Outlets
2. Fiber Termination Box
3. Fiber DP/NAP Box

Classification

No.	Product type	Adaptor type	UPC/APC
1	Mechanical Field Assembly Connector	SC	UPC
			APC
		FC	UPC
2	Fusion Splice Field Assembly Connector	SC	UPC
			APC

Structure

Mechanical Field Assembly Connector

Fusion Splice Field Assembly Connector

Features

1. Re-assembly is available
2. Easy assembly, average assembly time≤ 60s, one time success rate reaches 98%
3. Applicable cable: 0.9mm cable (additional Φ3.0mm cable sheath shall be installed)Φ2.0 or Φ3.0mm round cable, 2.0x3.0mm cable

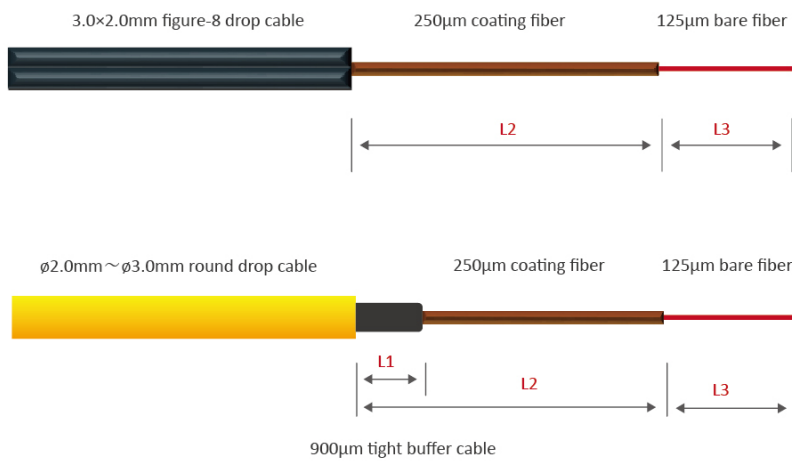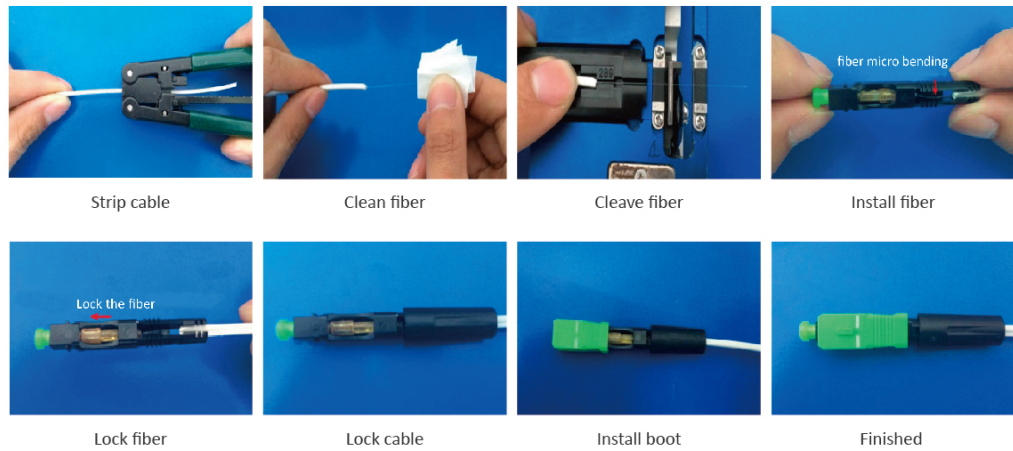#### Features

1. One time usage, cannot be re-assembled
2. Stable optical performance, long life cycle, low maintenance cost
3. Applicable cable: Φ2.0 or Φ3.0mm round cable, 2.0x3.0mm cable

● Specifications

Item	Specifications
Connector type	UPC or APC
Fiber diameter (μm)	250 or 900
Insertion loss (dB)	Maximum ≤0.50; typical ≤0.3
Return loss (dB)	UPC≥50; APC≥55
Tensile load (N)	≥20
Working temperature (℃)	-40～+70

● Assembly Procedure (Mechanical Field Assembly Connector)

Strip cable	Clean fiber	Cleave fiber	Install fiber

Lock fiber	Lock cable	Install boot	Finished

3.0×2.0mm figure-8 drop cable   250μm coating fiber   125μm bare fiber

L2   L3

ø2.0mm～ø3.0mm round drop cable   250μm coating fiber   125μm bare fiber

L1   L2   L3

900μm tight buffer cable

NOTE: L1: 900μm tight buffer cable   L2: 250μm coating fiber   L3: 125μm bare fiber