

FUSION MINI



Guide

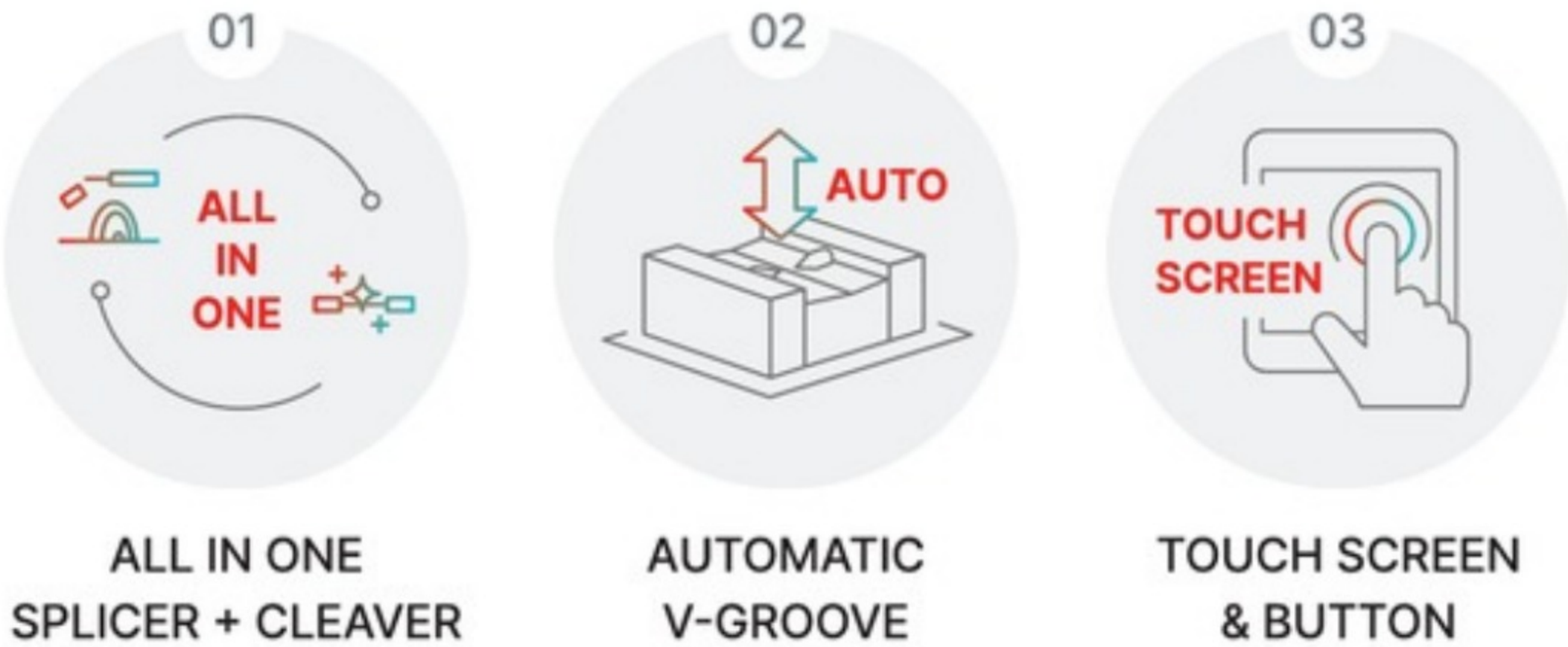
02

PRODUCT
INFORMATION



Innovative fiber optic connector solution.

Discover SimplyFIBER revolutionary fiber optic connector solution. Our innovative approach enables easy installation for FTTH, making it accessible for everyone.



PACKAGE



03

FUSION MINI
SPECIFICATION

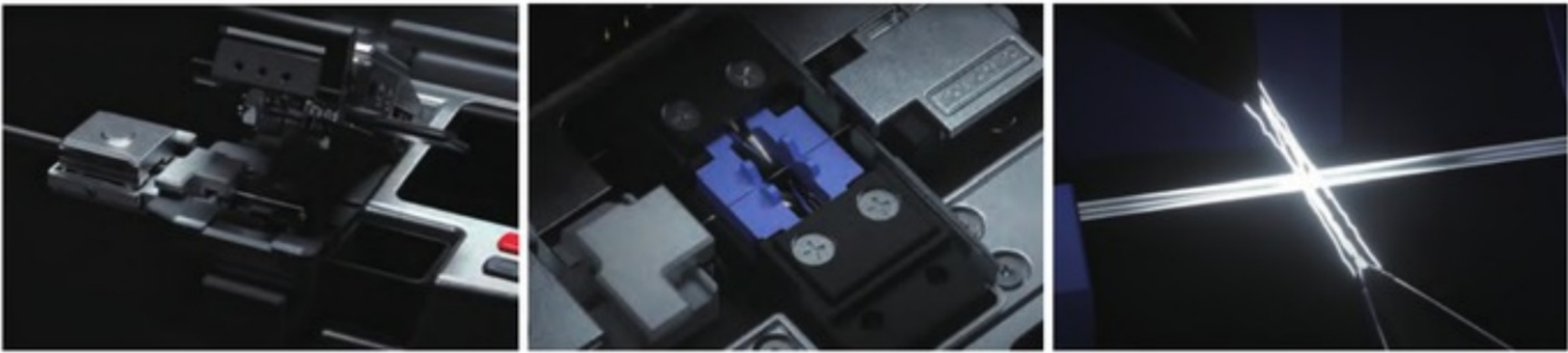


Item	Specification
Product Intro.	Single core Connector Maker (H/W Spec. Same)
Applicable Fibers	Single-Mode similar/dissimilar (G.652 & 657), Multi-Mode similar/dissimilar (G.651), Dissimilar Fiber (SM/MM)
Compatible fiber/cable	900um, 2mm, 3mm round, 2×3mm flat, 4mm
Typical Splice Loss	≤ 0.1 dB
Typical Splice Time	≤ 10 sec
Battery / Splice number	4850mAh / 100 times
Display	1.6Inch Full color touch screen LCD
Controller	Touch Control, 2 button (TACT)
Dimension	W80 x L139 x H66 mm
Weight	718g (Include Cleaver 125g)
User Convenience	One hand operating & Site User convenience
Product Configuration	2 in 1 (Include Cleaver)

CLEAVER
SPECIFICATION



Item	Specification
Operation Step	2 Step
Applicable Fiber	Glass Optical Fiber, Single Fiber
Clad Diameter	250μm, 900μm
Clad Length	10 ~ 20mm
Cleave Angle	Below 0.5°
Blade Life	16,000 Cleaving
Blade Adjustment	Manual
Dimension	W37 x L58 x H37 mm
Weight	125g



04

SOLUTION 01

MDU & ATB SOLUTION

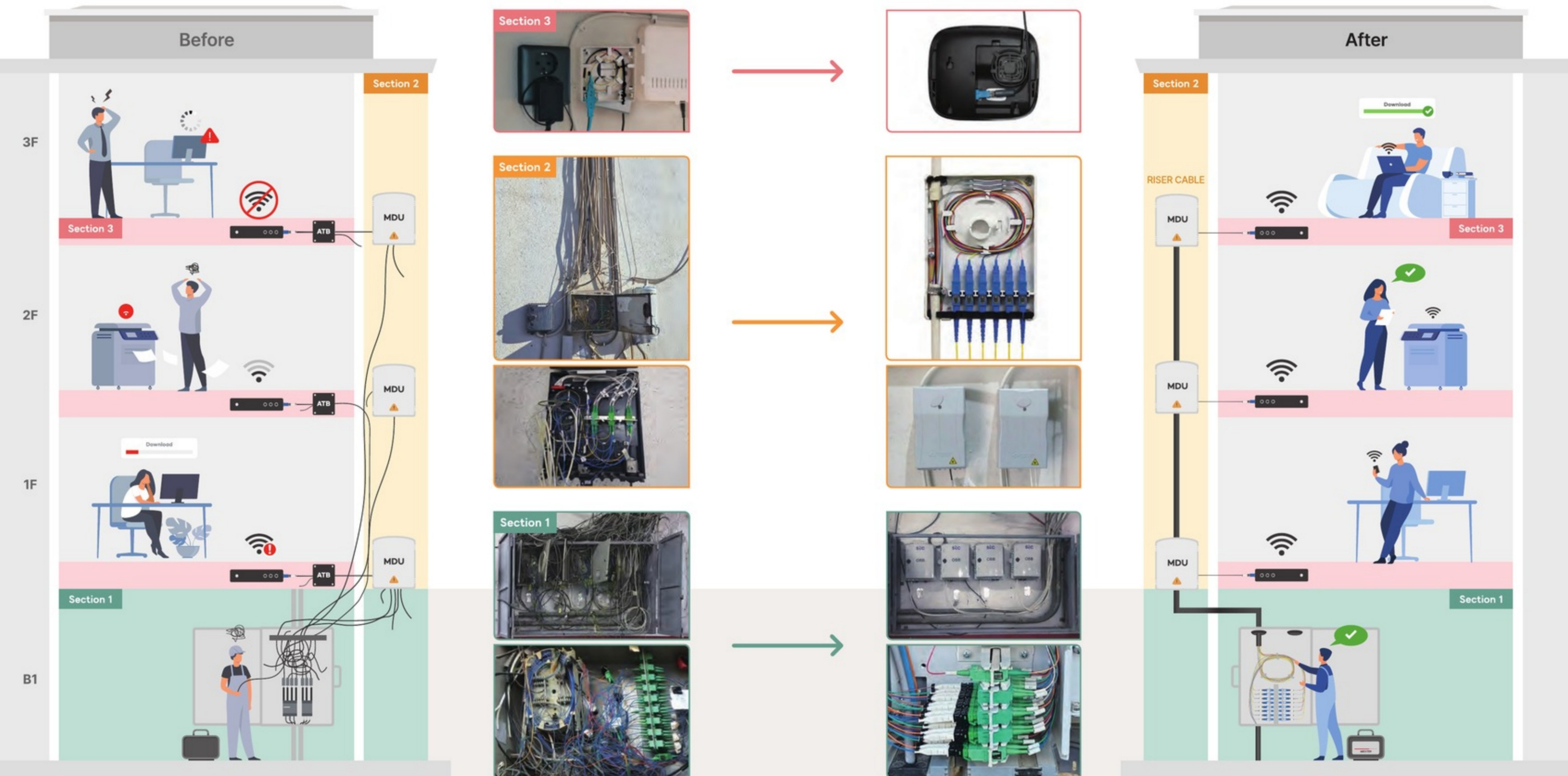
Find SimplyFIBER's innovative fiber-optic connector solution.

Discover our revolutionary fiber optic connector solution. Our innovative approach enables easy installation for FTTH, making it accessible for everyone. Upgrade your optical communication with SimplyFIBER today.

05

Easy and Fast Installation

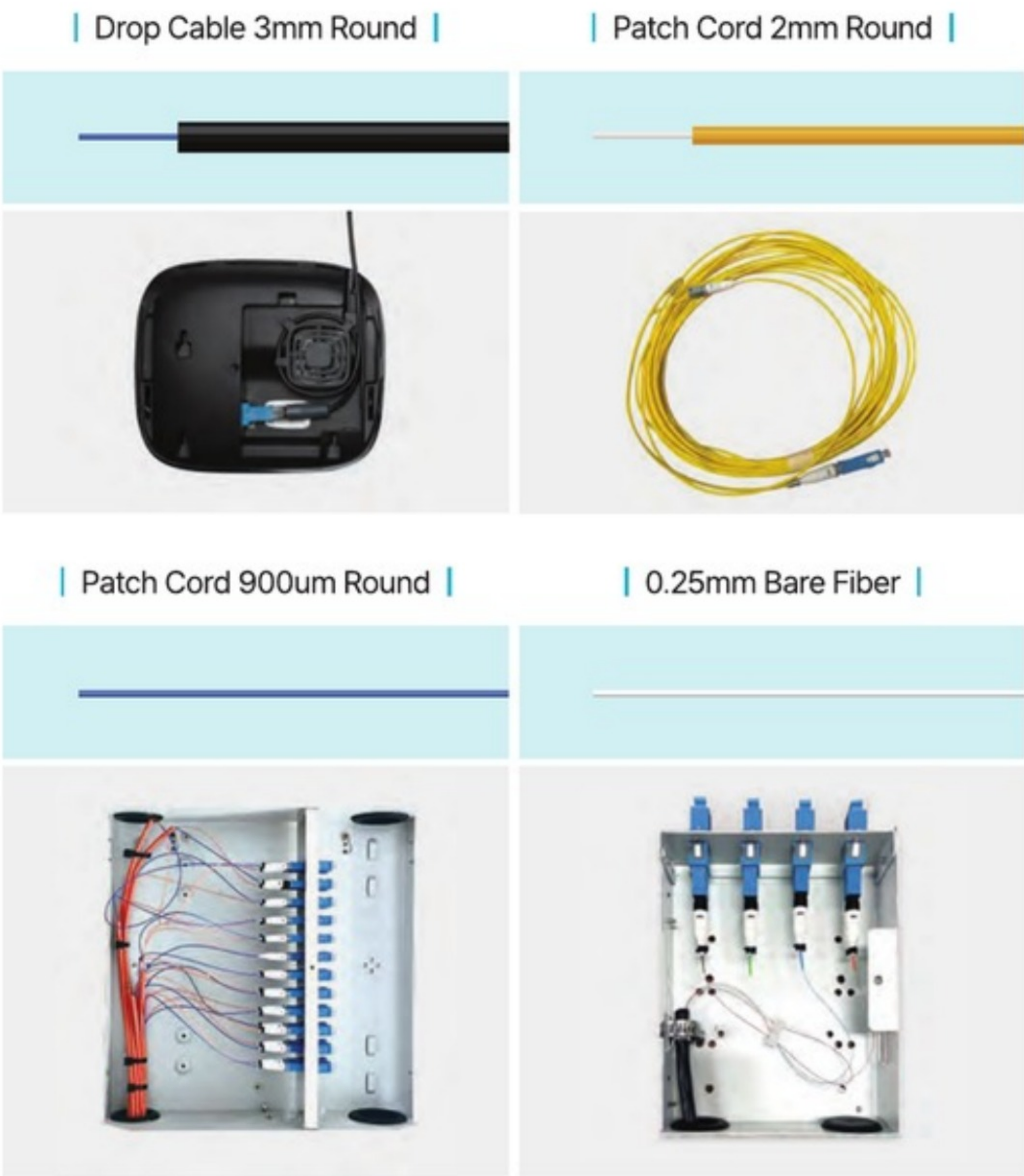
- Section 1 FDF Management
- Section 2 MDU(RISER CABLE)
- Section 3 Access → ATB Box(No need) + dB loss Improvement



SOLUTION 02

FTTX SOC(Splice On Connector)

SimplyFIBER Connectors can be used in optical network work sites where G.652 & G.657 standard single-mode optical cables are installed. SimplyFIBER dedicated connectors are available for SC and LC standard terminations.



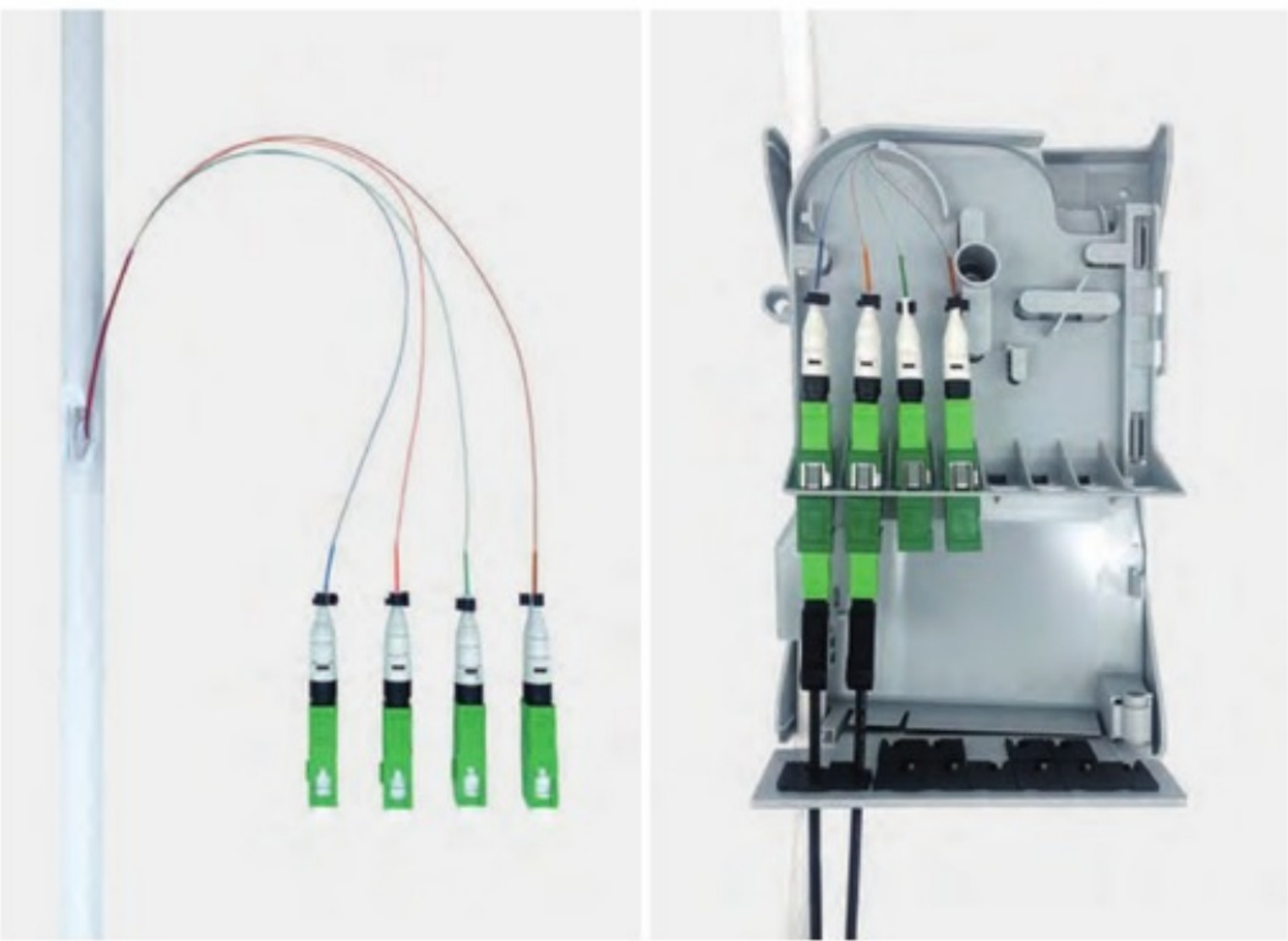
Assembly



SOLUTION 03

Direct Fiber Connect

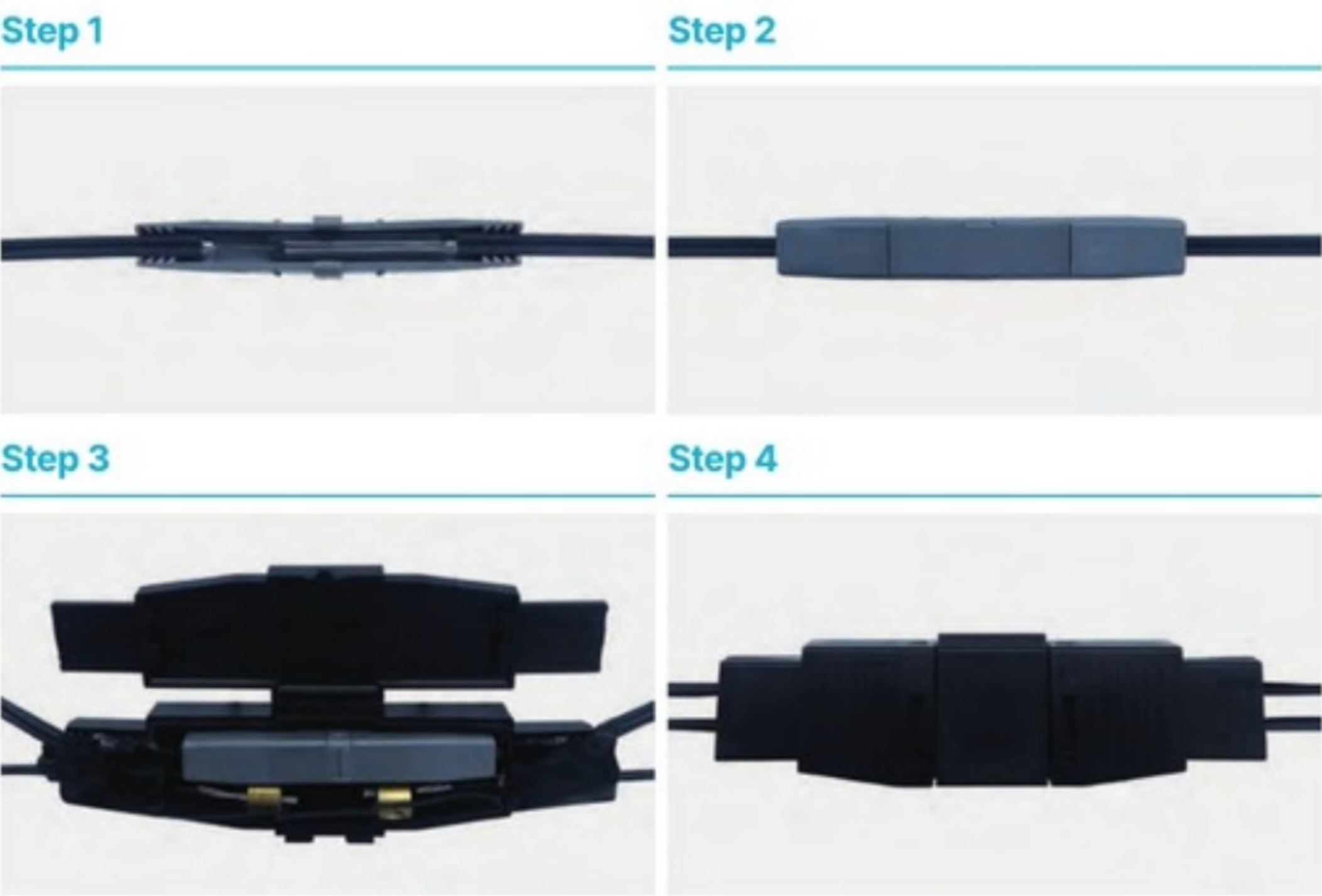
By directly fusion splicing a connector to the optical fiber, it is possible to install and maintain a junction box more quickly and easily than the existing pigtail work method.



SOLUTION 04

Cable Connect Closure

By employing fusion splicing to join the damaged sections of a drop cable, and subsequently safeguarding it with a Solmate closure, it is now feasible to maintain the cable without the need for a complete reinstallation.



Technical Data Sheet

Fusion Splice Sleeve Heater

SF-FMTH120

Overview

The SF-FMTH120 is a compact, battery-powered fusion splice sleeve heater developed for use with a small-form-factor fusion splicer and cleaver combination. It uses a 120 mm heater assembly on a 90 mm-wide main body, creating a compact T-shaped workstation.

The unit is intended for 40-60 mm splice protection sleeves and is sized to support a fusion splicer measuring approximately 90 mm (W) x 150 mm (L) x 68 mm (H). It is designed for FTTH, OSP maintenance, restoration, closure work, and other portable field applications.



Typical Applications

- Fusion splice protection sleeve heat-shrinking
- FTTH drop cable installation and field restoration
- OSP closure, cabinet, pedestal, and access network maintenance
- Portable battery-powered field operation for technicians
- Compact bench and field heating for high-volume fiber operations

Key Features

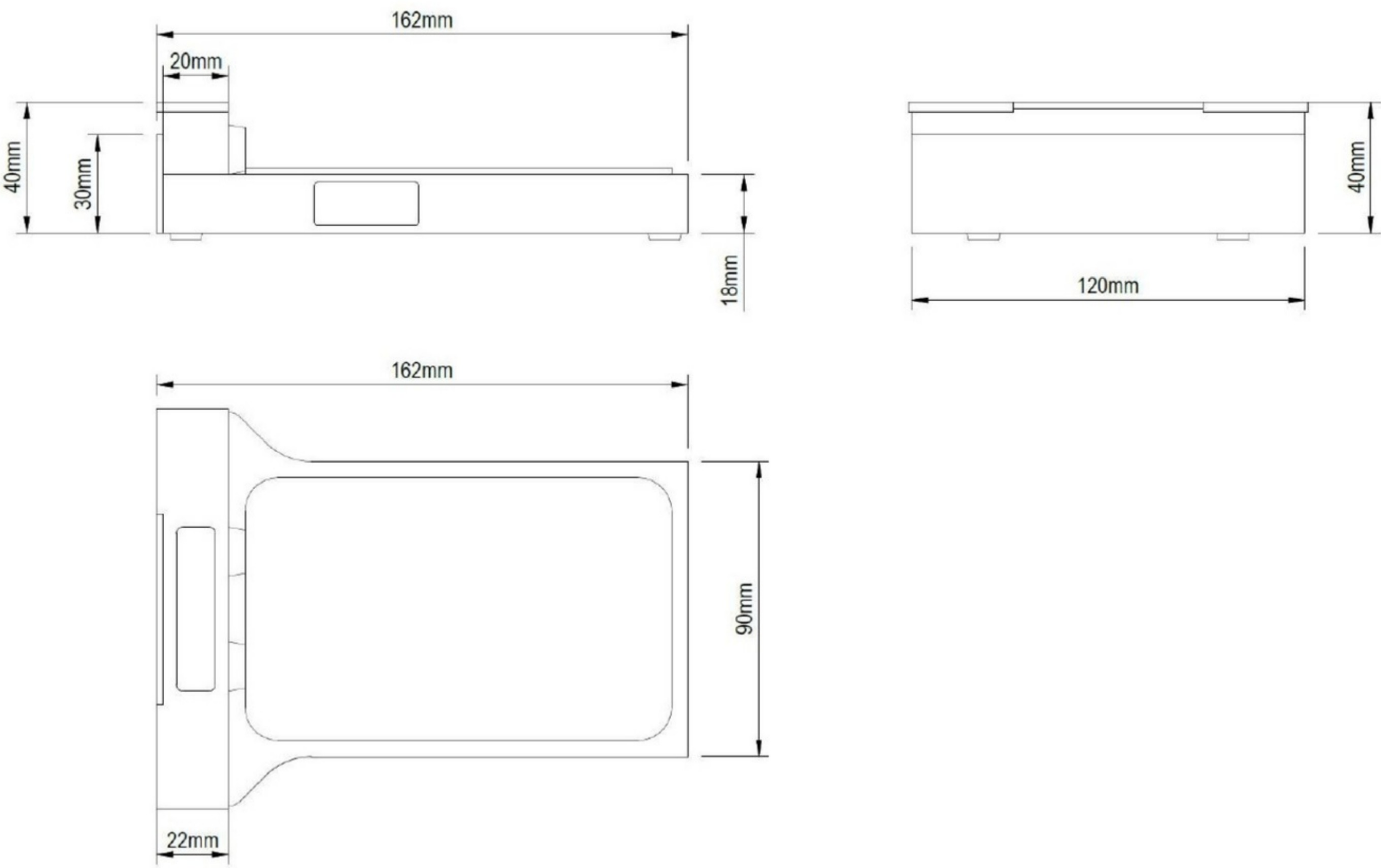
- Compact T-shaped design with a 90 mm-wide main body and 120 mm heater assembly
- Compatible with a compact fusion splicer footprint of approximately 90 mm x 150 mm
- Rechargeable 7.4 V / 6000 mAh lithium battery for portable field operation
- USB Type-C charging interface; supplied with a standard USB-C to USB-C cable
- Supports 1 A and 2 A charging inputs; final charge times to be confirmed by production validation
- More than 100 heat cycles per full charge
- Pull-out cooling tray with approximately 15 mm travel for temporary placement and cooling of heated splice protection sleeves

Technical Data Sheet

Specifications

Parameter	Value
Battery Capacity	7.4 V / 6000 mAh lithium battery (preliminary)
Power Supply	USB Type-C charging; supports 5 V / 1 A and 5 V / 2 A input
Heat-Shrinkable Tube	20-60 mm; optimized for standard 40 mm and 60 mm sleeves
Dimensions	Main body: 160 mm x 90 mm x 18 mm; heater width: approx. 120 mm
Heater Oven	120 mm-wide heater assembly in T-shaped configuration
Operating Temperature	-10 deg C to +50 deg C
Operating Humidity	0-95% RH
Weight	TBD
Heat Cycles per Full Charge	>=100 cycles target; 110-120 cycles engineering target
Charging Cable	Standard USB-C to USB-C cable
Charge Time	TBD for both 1 A and 2 A charging
Cooling Tray	Pull-out tray with approx. 15 mm travel for placement and cooling of heated splice protection sleeves

Structure and Dimensions



Technical Data Sheet

Product Views



Order Information

P/N	Description
SF-FM4000	Fusion Mini — Fiber optic fusion splicer with integrated cleaver, 2-in-1
SF-FMTH120	Fusion Splice Sleeve Heater — Compact thermal heater, 120 mm, for 20-60 mm splice protection sleeves
SF-FMTRAY	Fusion Mini Tray — Mounting tray / platform accessory for Fusion Mini splicer



SF-FMTRAY — Fusion Mini Tray alongside Fusion Mini splicer (SF-FM4000)

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Accessories

LC Connectors	
P/N	Description
SF-FMLCA2M	Fiber Optic Connector LC APC soft (2mm)
SF-FMLCA3M	Fiber Optic Connector LC APC soft (3mm)
SF-FMLCA9M	Fiber Optic Connector LC APC soft (900µm)
SF-FMLCU2M	Fiber Optic Connector LC UPC soft (2mm)
SF-FMLCU3M	Fiber Optic Connector LC UPC soft (3mm)
SF-FMLCU9M	Fiber Optic Connector LC UPC soft (900µm)

SC Connectors	
P/N	Description
SF-FMSCA2M	Fiber Optic Connector SC APC soft (2mm)
SF-FMSCA3M	Fiber Optic Connector SC APC soft (3mm)
SF-FMSCA9M	Fiber Optic Connector SC APC soft (900µm)
SF-FMSCU2M	Fiber Optic Connector SC UPC soft (2mm)
SF-FMSCU3M	Fiber Optic Connector SC UPC soft (3mm)
SF-FMSCU9M	Fiber Optic Connector SC UPC soft (900µm)

Tools	
P/N	Description
SF-FMS025	Fiber Stripper
SF-FMSC26	Fiber Scissor

Cable Accessories	
P/N	Description
SF-FMSP2MRND	2mm Round Drop Cable Outdoor IC Closure
SF-FMSP3MRND	3mm Round Drop Cable Indoor, Screw type
SF-FMSPFLAT	2x3mm Flat Drop Cable Outdoor IC Closure