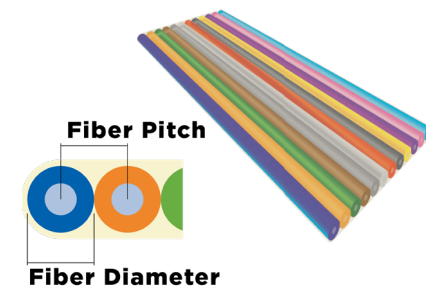


# A PIONEER OF RIBBON FIBER TECHNOLOGY SINCE THE 1980'S

Since 1980, Sumitomo Electric is the pioneer of fusion splice technology. We continuously improved our ribbon splice technology to build new generation optical fiber networks.

## PERFECT COMPATIBILITY WITH VARIOUS FIBERS

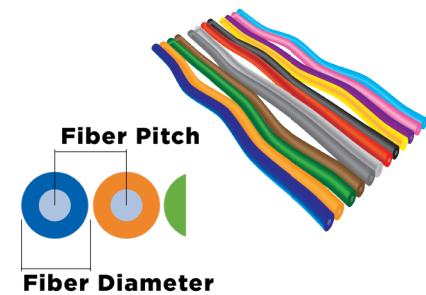
### 1. Standard Ribbon



#### STANDARD RIBBON

FIBER DIA.	FIBER PITCH	SPLICER	V-GROOVE KIT	HOLDER	CABLE VENDOR & TYPE
200um	200um	Q102-M12+	SVG01-1220	FHM-12N	Corning
200um	250um Pitch Conversion			PCH-12A	Corning
250um	250um		FHM-12V	Standard	

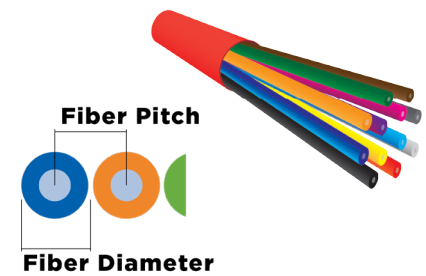
### 2. Pliable Ribbon



#### PLIABLE RIBBON

FIBER DIA.	FIBER PITCH	SPLICER	V-GROOVE KIT	HOLDER	CABLE VENDOR & TYPE
200um	200um	Q102-M12+	SVG01-1220	FHM-12N	Sumitomo Electric, OFS, Prysmian
200um	250um Pitch Conversion			PCH-12V PCH-12A	Sumitomo Electric, OFS, Prysmian
200um	250um		SVG01-1225	FHM-12V	AFL
250um	250um	FHM-12V		Sumitomo Electric, OFS, Prysmian, AFL	

### 3. Arranging Fibers Into Ribbons



#### ARRANGING FIBERS INTO RIBBONS

FIBER DIA.	FIBER PITCH	SPLICER	V-GROOVE KIT	HOLDER	FIBER ARRANGEMENT TOOL
200um	200um	Q102-M12-200	SVG01-1220	FHM-12N	OFA-02
200um	250um Pitch Conversion	Q102-M12	SVG01-1225	PCH-12V	OFA-02
250um	250um	Q102-M12		FHM-12V	OFA-02



SVG01-1220

Spare V-Groove kit for 200um pitch ribbon fiber



SVG01-1225

Spare V-Groove kit for 250um pitch ribbon fiber

## Ordering Information

### SPLICER KITS

PART NUMBER	SPLICER KIT	HOLDERS	REMOVER & CLEAVER	OTHERS
TYPE-Q102-M12p-KIT-6Rp1	Quantum Q102-M12+ Ribbon Fiber Splicer Kit with Dual Built-in Heat Shrink Ovens, Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Fiber Protection Sleeves (FPS-6), V-groove Cleaning Brush (VGB-004), Cleaning Kit (FUS-CLN-KIT)	250um 12-Fiber Holders (FHM-12V), 250um Single Fiber Holders (FHS-025)	Table Top Cleaver (FC-6R+), Thermal Jacket Remover (JR-7)	---
TYPE-Q102-M12p-KIT-6Rp2	Quantum Q102-M12+ Ribbon Fiber Splicer Kit with Dual Built-in Heat Shrink Ovens, Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Fiber Protection Sleeves (FPS-6), V-groove Cleaning Brush (VGB-004), Cleaning Kit (FUS-CLN-KIT)	250um 12-Fiber Holders (FHM-12V), 250um Single Fiber Holders (FHS-025)	Tabletop Cleaver (FC-6R+), Hot Jacket Remover (JR-7)	Fiber Arrangement Tool (FTA-02), Consumable Kit (FAC-24)
TYPE-Q102-M12p-KIT-6Rp3	Quantum Q102-M12+ Ribbon Fiber Splicer Kit with Dual Built-in Heat Shrink Ovens, Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Fiber Protection Sleeves (FPS-6), V-groove Cleaning Brush (VGB-004), Cleaning Kit (FUS-CLN-KIT)	250um 12-Fiber Holders (FHM-12V), 250um Single Fiber Holders (FHS-025)	Tabletop Cleaver (FC-6R+), Hot Jacket Remover (JR-7)	Glueless Fiber Arrangement Tool (OFA-02)
TYPE-Q102-M12p-KIT-MPO	Quantum Q102-M12+ Ribbon Fiber Splicer Kit with Dual Built-in Heat Shrink Ovens, Shipping Case, one set of Spare Electrodes (ER-10), Cooling Tray, AC Interface/Battery Charger with Power Cord, Battery Unit (BU-102), Fiber Protection Sleeves (FPS-6), V-groove Cleaning Brush (VGB-004), Cleaning Kit (FUS-CLN-KIT)	250um 12-Fiber Holders (FHM-12V), 250um Single Fiber Holders (FHS-025)	Tabletop Cleaver (FC-6R+), Hot Jacket Remover (JR-7)	Lynx-CustomFit™ SOC MPO Assembly Tool System, Consumable Kit, Aramid Shears, 2mm/3mm Cord Tool, Lynx-CustomFit™ SOC MPO Metal Holder

### ACCESSORIES & CONSUMABLES

PART NUMBER	DESCRIPTION
FHM-12V	12 Count Ribbon Holders with V-groove for 250um Pitch
FHM-12N	12 Count Ribbon Holders for 200um Pitch
PCH-12A	Pitch conversion holder from 200um to 250um Pitch, Optimized for Sumitomo Electric Freeform® Ribbon
PCH-12V	Pitch conversion holder from 200um to 250um Pitch, Dedicated for partially bonded ribbon fibers
JR-7	Jacket remover for Compatible with 200 & 250um ribbon /Compatible with standard & pliable ribbon
JR-7BL	Replacement Blade for JR-7
FC-8R	Handheld Automatic Blade Rotation Cleaver
FC-6R+	Table Top Type Automatic Blade Rotation Cleaver FC-6R / Pre-fitted Off-cut collector (CU-FC6+)
FCP-7RBL	Replacement Blade for FC-8R, FC-6R+ / Auto-Rotating Cleaver Blade Models
ER-10	Electrodes for Q102M12+ for 250 um pitch fiber (Orange Cap)
ER-10-200	Electrodes for Q102M12+ for 200 um pitch fiber (Black Cap)
SVG01-1220	Q102-M12+ 200um V-Groove Block Replacement kit/ Include ER-10-200, FHM-12N
SVG01-1225	Q102-M12+ 250um V-Groove Block Replacement kit/ Include ER-10, FHM-12V
FPS-6	1 to 12 Count Ribbon Fiber Protection Sleeves
FTA-02	Glue Type Fiber Arrangement Tool
FAC-24	Fiber Arrangement Consumable Kit for FTA-02
OFA-02	Glue Free Fiber Arrangement Tool
VGB-004	V groove Cleaning Brush
FUS-CLN-KIT	Cleaning Kit



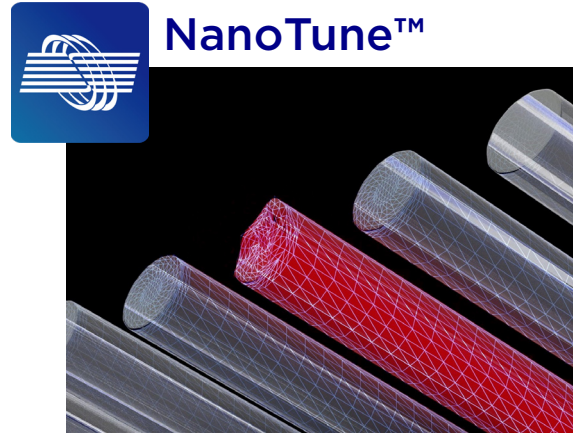
# RIBBON SPLICING SOLUTION GUIDE

SumitomoElectricLightwave.com

One World, Connected.



## Q102-M12+ RIBBON SPLICING. REDEFINED.

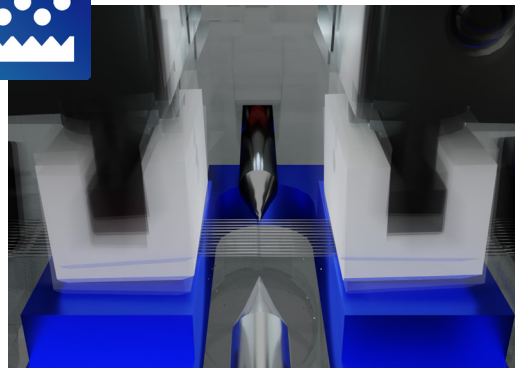


NanoTune™

NanoTune™ AI technology improves splicing capability of poor cleaves.

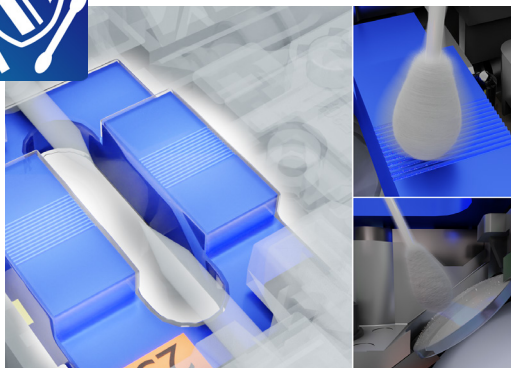


### Enhanced-ACAS



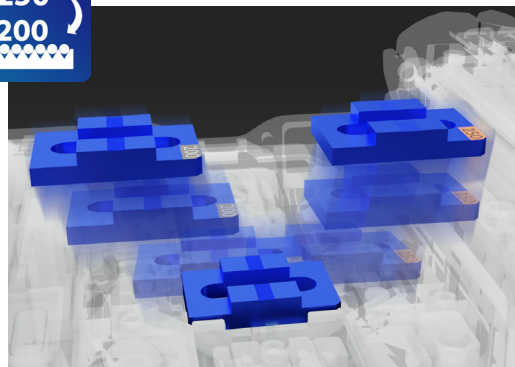
Auto-clamping adjustment system (ACAS) creates better fiber alignment.

### Special Coating



Easy Cleaning with special coatings on the V-grooves and lens.

### Replaceable V-Groove



Replaceable V-grooves give the flexibility to handle different pitch ribbons.

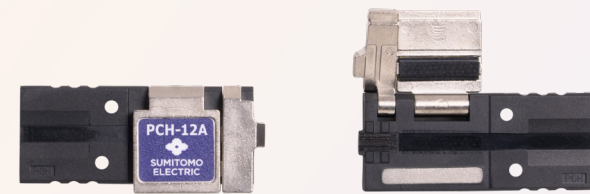
### Dual Heaters



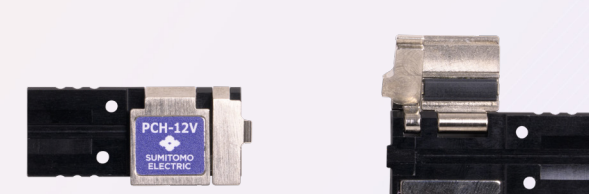
Dual independent ovens for high productivity.

## PITCH CONVERSION SPLICE

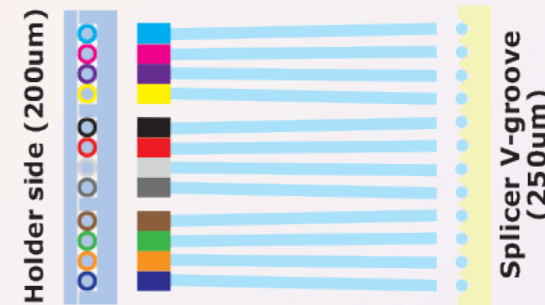
Pitch conversion holders expand the fiber pitch from 200um to 250um on the V-groove.



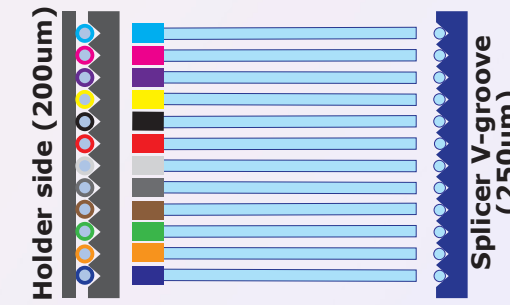
PCH-12A Pitch Conversion Holder



PCH-12V Pitch Conversion Holder



Optimized for Sumitomo Electric Freeform® Ribbon.



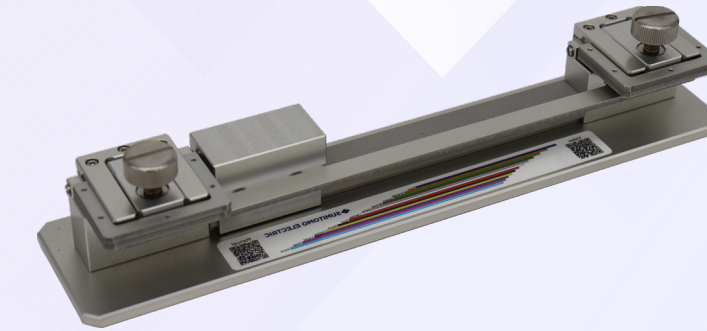
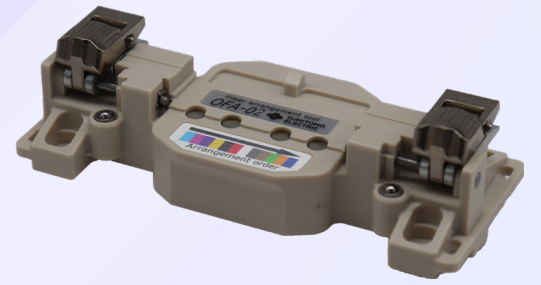
Dedicated for partially bonded ribbon fibers.

## FIBER ARRANGEMENT TOOLS

Versatile fiber arrangement tool for time-saving ribbon splicing.

### OFA-02, GLUE FREE FIBER ARRANGEMENT TOOL QUICKLY AND EFFORTLESSLY ARRANGES SINGLE FIBERS INTO RIBBONS

- Simply place individual fibers on the v-grooves of the ribbon holder
- Compatible with 200 & 250 um fibers
- Eliminates adhesive requirement and curing time



### FTA-02, FIBER ARRANGEMENT TOOL

- Organizes individual fibers into ribbons for splicing
- Ribbons can be made with 2 to 12 fibers
- Creates a 7-inch ribbon in two simple steps

## OTHER HANDY TOOLS AND CONSUMABLES

### Thermal Jacket Remover



JR-7

- Compatible with 200 & 250um fiber ribbons
- Ready notification by Vibration
- LED lighting illuminates the heater area
- IPx2 Water protection and shock-resistant
- Field replaceable blade and battery for Easy maintenance

### Fiber Cleavers



FC-8R Handheld Cleaver



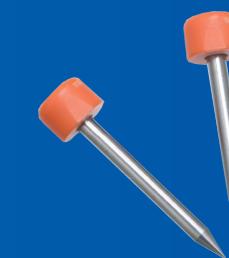
FC-6R+ Tabletop Cleaver

- High-quality cleaves
- Handy and easy operation
- Auto blade rotation available
- Cleave counter available (FC-8R)
- 60,000 cleaves per blade

### Consumables

Orange cap

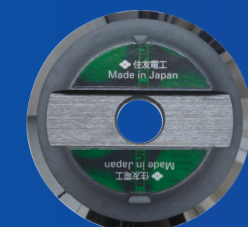
Black cap



ER-10 Electrodes for 250um splice



ER-10-200 Electrodes for 200 um splice



FCP-7RBL Blade for FC-6R+ and FC-8R



FAC-24, Consumable Kit for FTA-02



FPS-6 Protection Sleeves



FUS-CLN-KIT Fusion Cleaning Kit