

# Installation Guide

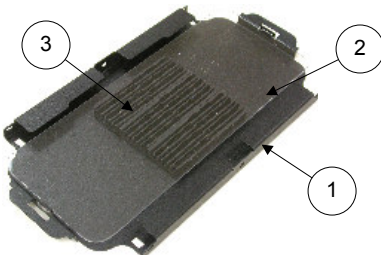
## Fiber Express Ultra Fusion tray

PX104915-EN Release A

Page 1/2

### FXU Fusion tray components

ITEM	DESCRIPTION	QTY
1	Fusion tray	1
2	Splice tray cover	1
3	Splice holder	2 or 3
4	Color wire marker	4
5	Number wire marker	3
6	1" protective tube	4
7	Cable tie 3.375"	10



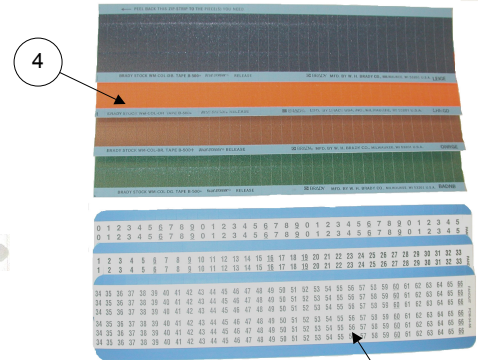
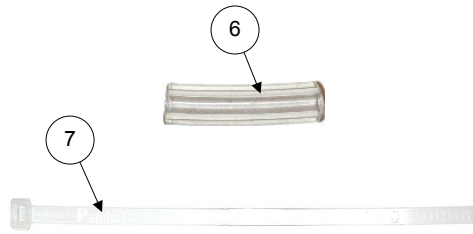
Fusion tray 10"



Fusion tray 8"



Fusion tray 12"



Required kits (not shown):

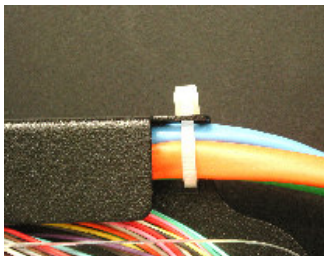
Fusion splice protector 250 μm/250 μm AX101169

Fusion splice protector 900 μm/250 μm AX101170

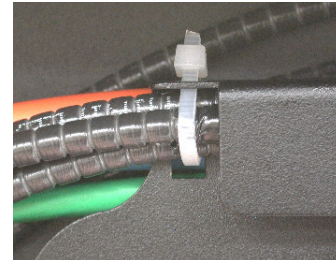
Fusion splice protector 900 μm/900 μm AX101171

### 1. Securing fibers to the tray

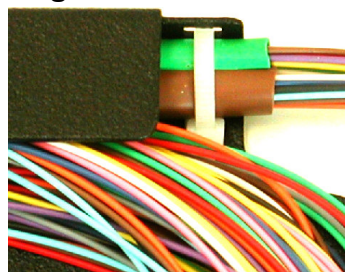
1.1 Attach 900μm Distribution sub-units to the tray with provided cable tie. **Do not over tighten.**



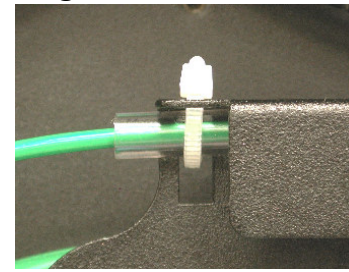
1.2 Attach Flextube to the tray with provided cable tie. **Do not over tighten.**



1.3 Attach 900μm pigtails to the tray with provided cable tie and 1" of subunit jacket. **Do not over tighten.**

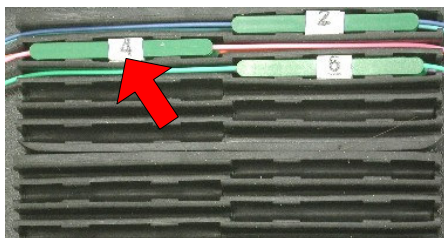
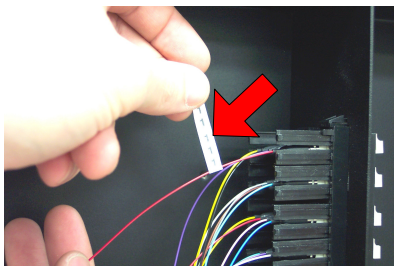


1.4 Attach loose tube to the tray with provided cable tie and 1" nylon tube. **Do not over tighten.**



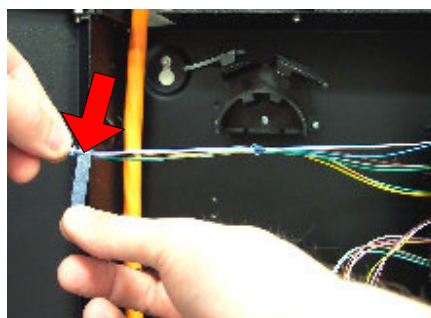
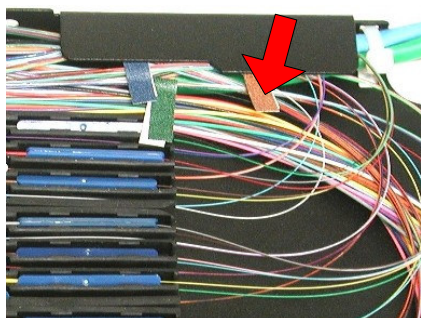
## 2. Fiber identification

2.1 When necessary identify splice protector and individual fibers with provided number wire markers.



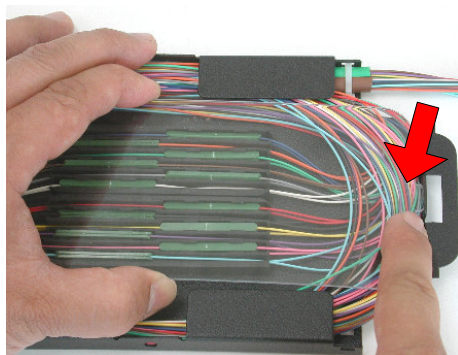
Double stack splice protectors as shown to double fiber density. See section 4.

2.2 Hold group of fibers together with provided color wire markers at every 4".



## 3. Installing the clear cover

3.1 After all fusions are completed snap the clear cover in the tray.



**Make sure that no fibers are pinched between the tray and the window.**

## 4. Fusion capacity per FXU products

1.1 The maximum recommended fusion capacity is per following table

1U Rack Mount patch panel	2 X 12"-tray of 24 fusions for <b>48 fusions</b> <u>or</u> 2 X 12"-tray of 36 fusions for <b>72 fusions</b>
4U Rack Mount patch panel	8 X 8"-tray of 24 fusions for <b>192 fusions</b>
Wall Mount Patch panel	2 X 8"-tray of 24 fusions for <b>48 fusions</b>
Wall Mount Splice enclosure	4 X 10"-tray of 36 fusions for <b>144 fusions</b>
Rack Mount Splice enclosure	6 X 12"-tray of 24 fusions for <b>144 fusions</b> <u>or</u> 4 X 12"-tray of 36 fusions for <b>144 fusions</b>

Capacity will be reached by stacking 2 splice protectors in the same slot as shown on picture of section 2.