



# FIST-SOSA2

## Splice only sub-assembly

FIST is a Fiber Infrastructure System Technology

At the heart of this system lies the unique sub assembly concept.

Splicing sub-assemblies are the essential building blocks that allow the user to build a variety of networks.

A SOSA2 sub-assembly consists of the following parts

- Organizer trays, designed to store fiber and splices
- A 'wraparound' grooveplate designed with slots for routing fiber to and from the organizer trays

Different types are designed to allow for

- Single element management: fibers may be spliced according to their cable construction
- Single circuit management: The unique and essential ability to manage fibers in a single circuit fashion
- Single ribbon fiber management

The flexible unit has the following features

- Total fiber management
  - Full fiber containment
  - Full bend radius control
  - Physical protection
- Independent of any cable construction
- Compliant with most splice types
- Loop-back facility allowing for single circuit uncut looped fiber storage on the tray.

## How to order this product

# FIST-SOSA2- X X X - X

### Number of trays

**4 or 8** For SC type tray  
**2 or 4** For SE type tray  
**5** For 5SE tray  
**5** For R4/R8 type tray  
**2** For R12 and MS type tray

### Type of trays

**SC** for up to 4 primary or 2 secondary coated fibers  
**SE** for up to 12 primary or 4 secondary coated fibers  
**MS** for up to 24 primary or 10 secondary coated fibers  
**R4/8** for up to 2 ribbon 4 or 1 ribbon 8 strips  
**R12** for 1 ribbon 12 strip

### Type of splice holders

**A** ANT type splice holder (for SE only)  
**ARS** ANT + RS type splice holder (for SC only)  
**S** Heat-shrinkable splice protector type splice holder  
**RS** RECORDsplice holder (not for R4/8, R12 and MS)

## Capacities

Parameter	Single circuit tray SC	Single element tray SE	Single element tray 5SE <sup>1</sup>	Mass storage tray MS	Ribbon tray R4/8	Ribbon tray R12
Tray thickness measured (in UMS units) <sup>2</sup>	1	2	8/5	3	2	3
<b>Maximum number of splices</b>						
250µm	4	12	12 (16) <sup>3</sup>	24	N/A	N/A
900µm	2	4	N/A	10	N/A	N/A
Mixed 250/900	2	4	N/A	16	N/A	N/A
Ribbon 4 mass splices	N/A	N/A	N/A	N/A	2	N/A
Ribbon 8 mass splices	N/A	N/A	N/A	N/A	1	N/A
Ribbon 12 mass splices	N/A	N/A	N/A	N/A	N/A	1
<b>Fiber length storage (each side of splice)</b>						
Minimum	650 mm	650 mm	650 mm	650 mm	650 mm	650 mm
Maximum						
250µm	2050 mm	2050 mm	1500 mm	1500 mm	2050 mm <sup>4</sup>	2050 mm <sup>5</sup>
900µm	1200 mm	1500 mm	N/A	800 mm	N/A	N/A
Mixed 250/900	1500 mm	1500 mm	N/A	800 mm	N/A	N/A
Ribbon 4	N/A	N/A	N/A	N/A	2050 mm	N/A
Ribbon 8	N/A	N/A	N/A	N/A	2050 mm	N/A
Ribbon 12	N/A	N/A	N/A	N/A	N/A	2050 mm
<b>Installed splice (heat-shrinkable) protector dimensions</b>						
Minimum Ø	2.2 mm	2.2 mm	2.2 mm	2.2 mm	3.5 mm	3.5 mm
Maximum Ø	2.8 mm	2.8 mm	2.8 mm	2.8 mm	5.0 mm	5.0 mm
Minimum length	30 mm	45 mm	45 mm	45 mm	35 mm	35 mm
Maximum length	45 mm	45 mm	45 mm	45 mm	45 mm	45 mm

<sup>1</sup> Bend radius is 25mm for all 5SE trays

<sup>2</sup> The length of the FIST-SOSA2, the thickness of organizer trays and the available space on the Fiber Arrangement System is expressed in UMS units (One UMS unit is equal to 6 mm)

<sup>3</sup> 16 splices per tray for the RED SMOUV / Record Splice tray

<sup>4</sup> Fibers are 'ribbonized'

<sup>5</sup> Fibers are 'ribbonized'

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