



# FIST-SOSA2

## Splice only sub-assembly

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

### 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.

## Ordering information

# FIST-SOSA2- X X X - X

### Number of trays

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

### Type of trays

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

### Type of splice holders

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

## Capacities

Parameter	Single Circuit	Single Element	Single Element	Mass Storage	Ribbon Tray	Ribbon Tray
	Tray SC	Tray SE	Tray 5SE	Tray MS	Tray R4/8	Tray R12
<b>Tray thickness (in UMS units)<sup>1</sup></b>	1	2	8/5	3	2	3
<b>Maximum number of splices</b>						
250 µm	4 (12) <sup>2</sup>	12 (24) <sup>3</sup>	12 (16) <sup>4</sup>	24	N/A	N/A
900 µm	2	4	N/A	10	N/A	N/A
Mixed 250/900 µm	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:						
250 µm	2050 mm <sup>5</sup>	2050 mm <sup>6</sup>	1500 mm	1500 mm	2050 mm <sup>7</sup>	2050 mm <sup>8</sup>
900 µm	1200 mm	1500 mm	N/A	800 mm	N/A	N/A
Mixed 250/900 µm	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 (heat-shrinkable) splice 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

- The length of the FIST-SOSA2, the space of the organizer tray on the groove plate and the available space on the Fiber Arrangement System is expressed in UMS units (One UMS unit is equal to 6 mm)
- 12 splices per tray for the SC-MS tray, using micro-SMOUV
- 24 splices per tray for the SE-MS tray, using micro-SMOUV
- 16 splices per tray for the RED SMOUV / Record Splice tray
- 1500 mm for the SC-MS tray, using micro-SMOUV
- 1500 mm for the SE-MS tray, using micro-SMOUV
- Fibers are 'ribbonized'
- Fibers are 'ribbonized'

For more technical options and order quantity information, please consult the products ordering guides or your local sales representative.

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