# 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

### 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

| | | | |
|---|---|---|---|
| **4 or 8** | For SC type tray | **4** | For R4/R8 type tray |
| **2 or 4** | For SE type tray | **2** | For R12 and MS type tray |
| **5** | For 5SE 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) |
| **MS** | Micro heat-shrinkable splice protector type splice holder |
| **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 | Mass Storage Tray MS | Ribbon Tray Tray R4/8 | Ribbon Tray Tray R12 |
|---|---|---|---|---|---|---|
| ***Tray thickness (in UMS units)[1]*** | 1 | 2 | 8/5 | 3 | 2 | 3 |
| ***Maximum number of splices*** | | | | | | |
| 250 µm | 4 (12)[2] | 12 (24)[3] | 12 (16)[4] | 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 |
| ***Fiber length storage (each side of splice)*** | | | | | | |
| Minimum: | 650 mm | 650 mm | 650 mm | 650 mm | 650 mm | 650 mm |
| Maximum: | | | | | | |
| 250 µm | 2050 mm[5] | 2050 mm[6] | 1500 mm | 1500 mm | 2050 mm[7] | 2050 mm[8] |
| 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 |
| ***Installed (heat-shrinkable) splice protector dimensions*** | | | | | | |
| 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 |

1 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)
2 12 splices per tray for the SC-MS tray, using micro-SMOUV
3 24 splices per tray for the SE-MS tray, using micro-SMOUV
4 16 splices per tray for the RED SMOUV / Record Splice tray
5 1500 mm for the SC-MS tray, using micro-SMOUV
6 1500 mm for the SE-MS tray, using micro-SMOUV
7 Fibers are 'ribbonized'
8 Fibers are 'ribbonized'

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



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