



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 ¹	Mass storage tray MS	Ribbon tray R4/8	Ribbon tray R12
Tray thickness measured (in UMS units) ²	1	2	8/5	3	2	3
Maximum number of splices						
250µm	4	12	12 (16) ³	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
Fiber length storage (each side of splice)						
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 ⁴	2050 mm ⁵
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
Installed splice (heat-shrinkable) 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 Bend radius is 25mm for all 5SE trays

² 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)

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

⁴ Fibers are 'ribbonized'

⁵ Fibers are 'ribbonized'

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