

Splice Only Sub-Assembly

TELECOM OUTSIDE PLANT

FIST is Raychem's 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.



FIST-SOSA2

FIST-SOSA2

How to order this product

FIST-SOSA2- X X X - X

Number of trays

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

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
R4/8	for up to 2 ribbon 4 or 1 ribbon 8 strips
R12	for 1 ribbon 12 strips

Type of spliceholders

A	ANT type splice holder (not for R4/8 and R12)
S	Heat-shrinkable splice protector type splice holder
Q	QPAK type splice holders (not for R4/8 and R12)

Capacities

Parameter	Single Circuit tray SC	Single Element tray SE	Ribbon tray R4/8	Ribbon tray R12
Tray thickness measured in UMS units	1	2	2	3

Maximum number of splices

250 µm splices	4 (1)	12	N/A	N/A
900 µm splices	2	4	N/A	N/A
Mixed 250/900 splices	2	4	N/A	N/A
Ribbon 4 mass splices	N/A	N/A	2	N/A
Ribbon 8 mass splices	N/A	N/A	1	N/A
Ribbon 12 mass splices	N/A	N/A	N/A	1

Fiber length storage (each side of splice)

Minimum	650 mm	650 mm	650 mm	650 mm
Maximum				
250 µm	2050 mm	2050 mm	2050 mm (2)	2050 mm (2)
900 µm	1200 mm	1500 mm	N/A	N/A
Mixed 250/900	1500 mm	1500 mm	N/A	N/A
Ribbon 4	N/A	N/A	2050 mm	N/A
Ribbon 8	N/A	N/A	2050 mm	N/A
Ribbon 12	N/A	N/A	N/A	2050 mm

Installed splice protector dimensions (heat-shrinkable)

Minimum Ø	2.2 mm	2.2 mm	3.5 mm	3.5 mm
Maximum Ø	2.8 mm	2.8 mm	5.0 mm	5.0 mm
Minimum length	30 mm	45 mm	35 mm	35 mm
Maximum length	45 mm	45 mm	45 mm	45 mm

Note: The thickness of organizer trays is expressed in UMS (Universal Mounting System) units.

One UMS unit is equal to 6 mm.

(1) Limited to 2 QPAK splices, ordering reference FIST-SOSA2-XSC-Q

(2) Fibers are 'ribbonized'

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