

## 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

## 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
<b>Maximum number of splices</b>				
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
<b>Fiber length storage (each side of splice)</b>				
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
<b>Installed splice protector dimensions (heat-shrinkable)</b>				
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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**Tyco Electronics Raychem NV**  
**Telecom Outside Plant**  
Diestsesteenweg 692  
3010 Kessel-Lo, Belgium  
Tel.: 32-16 351 011  
Fax: 32-16 351 697  
www.tycoelectronics.com

**Tyco Electronics Corporation**  
**Telecom Outside Plant**  
8000 Purfoy Road  
Fuquay Varina  
NC 27526-9349  
Tel.: 1-919-557-8900  
Fax: 1-919-557-8598

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