



# 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.



WWW.CABLEJOINTS.CO.UK  
**THORNE & DERRICK UK**  
TEL 0044 191 490 1547 FAX 0044 477 5371  
TEL 0044 117 977 4647 FAX 0044 977 5582  
WWW.THORNEANDDERRICK.CO.UK

 **Tyco Electronics**  
Our commitment. Your advantage.

## How to order this product

**FIST-SOSA2- X X X - X**

### Number of trays

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

### 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 spliceholders

<b>A</b>	ANT type splice holder (not for R4/8, R12 and MS)
<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 tray SC	Single element tray SE	Mass storage tray MS	Ribbon tray R4/8	Ribbon tray R12
Tray thickness measured in UMS units	1	2	3	2	3
<b>Maximum number of splices</b>					
250µm splices	4	12	24	N/A	N/A
900µm splices	2	4	10	N/A	N/A
Mixed 250/900 splices	2	4	16	N/A	N/A
Ribbon 4 mass splices	N/A	N/A	N/A	2	N/A
Ribbon 8 mass splices	N/A	N/A	N/A	1	N/A
Ribbon 12 mass splices	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
Maximum					
250µm	2050 mm	2050 mm	1500 mm	2050 mm*	2050 mm*
900µm	1200 mm	1500 mm	800 mm	N/A	N/A
Mixed 250/900	1500 mm	1500 mm	800 mm	N/A	N/A
Ribbon 4	N/A	N/A	N/A	2050 mm	N/A
Ribbon 8	N/A	N/A	N/A	2050 mm	N/A
Ribbon 12	N/A	N/A	N/A	N/A	2050 mm
<b>Installed splice protector dimensions (heat-shrinkable)</b>					
Minimum dia	2.2 mm	2.2 mm	2.2 mm	3.5 mm	3.5 mm
Maximum dia	2.8 mm	2.8 mm	2.8 mm	5.00 mm	5.00 mm
Minimum length	30 mm	45 mm	45 mm	35 mm	35 mm
Maximum length	45 mm	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.

\* Fibers are 'ribbonized'.

Tyco Electronics, TE logo, FIST and RECORDsplice are trademarks.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, Tyco Electronics makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Tyco Electronics' obligations shall only be as set forth in Tyco Electronics' Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Tyco Electronics products should make their own evaluation to determine the suitability of each such product for the specific application.



**WWW.CABLEJOINTS.CO.UK**  
**THORNE & DERRICK UK**  
**TEL 0044 191 490 1547 FAX 0044 477 5371**  
**TEL 0044 117 977 4647 FAX 0044 977 5582**  
**WWW.THORNEANDDERRICK.CO.UK**