



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 the products ordering guides or your local sales representative.

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Tyco Electronics Raychem bvba
Diestsesteenweg 692
3010 Kessel-Lo, Belgium
Tel 32-16 351 011 (USA)1-919-557-8900
Fax 32-16 351 697 (USA)1-919-557-8498
www.te.com
www.telecomnetworks.com
TC 532/DS/10 10/11

