



FIST-SOSA2 High Density Organizers

Dual Circuit and Slim Element Trays

Splicing sub-assemblies are essential building blocks that allow the user to build a variety of networks.

CommScope has developed a sub-assembly portfolio with high density that is especially interesting for the FTTH market. These advanced fiber organizers increase fiber storage up to twice the current capacity for all FIST products by using new fiber types, splice protectors and/or splicing techniques.

Features

General

- Total fiber management
- Full fiber containment
- Full bend radius control
- Physical protection
 - Independent of any cable construction
 - Loop-back facility allowing for single circuit uncut looped fiber storage on the tray (except for DC-MS tray)

Dual circuit tray

- Foldable single circuit tray
- 2 single circuits for up to 4 splices / circuit
- Footprint of 1 UMS or standard Single Circuit tray
- Wraparound hinge for SMOUV 45 version
- Feed-through hinge for micro SMOUV version
- 25mm bend radius control

Slim element tray

- 3 versions
 - Heat shrinkable splice protection type holder for up to 12 fiber splices
 - Heat shrinkable splice protection type holder for up to 9 fiber splices + universal 1x4/1x8 splitter holder
 - ANT splice protection type holder for up to 12 fiber splices

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Ordering Information

FIST - SOSA2 - X XX - X

Number of trays

4	4 trays
8	8 trays

Type of trays

DC	Foldable dual circuit tray
SLE	Slim element tray

Type of splice holders

MS	Micro heat shrinkable type splice protection holder
S	Heat shrinkable type splice protection holder
C	Heat shrinkable type splice protection holder + 1 universal 1x8 splitter holder (only for SLE tray)
A	ANT type splice protection holder (only for SLE tray)

Capacities

Parameter	Dual Circuit Tray DC-S	Dual Circuit Tray DC-MS	Slim Element Tray SLE-S	Slim Element Tray SLE-C	Slim Element Tray SLE-A
Tray thickness (in UMS units) ¹	1	1	1	1	1
Maximum number of splices (250µm)	2x2	2x4	12	9	12
Uncut fiber storage	Yes	No	Yes	Yes	Yes
Fiber length storage (each side of splice)					
Minimum	900mm	900mm	650mm	650mm	650mm
Maximum	1200mm	1200mm	1200mm	1200mm	1200mm
Fiber bend radius	25mm	25mm	20mm	20mm	30mm
Installed (heat shrinkable) splice protector dimensions					
Diameter ø (mm)	2,4 ± 0,2	1,25 ± 0,1	2,4 ± 0,2	2,4 ± 0,2	N.A.
Length (mm)	45 ± 2	30 ± 1	45 ± 2	45 ± 2	N.A.
Splitter capacity²					
1 x 8/1 x 4	N.A.	N.A.	N.A.	1	N.A.
Installed splitter dimensions²					
Minimum height	N.A.	N.A.	N.A.	3,6mm	N.A.
Maximum height	N.A.	N.A.	N.A.	4,1mm	N.A.
Minimum width	N.A.	N.A.	N.A.	3,6mm	N.A.
Maximum width	N.A.	N.A.	N.A.	4,1mm	N.A.
Minimum length	N.A.	N.A.	N.A.	39,3mm	N.A.
Maximum length	N.A.	N.A.	N.A.	42,6mm	N.A.

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 6mm)

² Bare splitter (250µm) in A-housing



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