



FIST-GSS2/3

Fiber Management Splice Shelves

The FIST-GSS2 and FIST-GSS3 multi-purpose splice shelves feature FIST fiber management system technology. They mount in ETSI (FIST-GR3), 19- or 15-inch (FIST-GR3F) racks.

These shelves store splices for:

- External to external/indoor cable
- External/indoor cable to pigtails
- External/indoor cable to break-out (BOC) or intrafacility cable (IFC)
- Pigtails to pigtails

Features

- Can be installed in CommScope's FIST ETSI and 15-inch racks and other 19-inch or metric (ETSI) rack sizes (both back and front mounting)
 - FIST-GSS3 mount in 15-inch frames
 - FIST-GSS2 mount in ETSI and 19-inch frames
- Accessories available for termination of most common cable types e.g. loose tube or other cable constructions
- UMS (Universal Mounting System) profiles provide foundation for mounting combinations of SOSA2 (Splice Only Sub-Assembly) and/or SASA3/FSASA (Splitter Array Sub Assembly) modules which consist of modular groove plate and trays
- Termination units for aramid yarn can be mounted in the shelf to provide necessary strain relief when terminating common pigtail types
- Design of aramid yarn termination units and trays prevents transient loss on adjacent pigtails and fibers during handling of pigtails and fibers
- Factory-installed fiber guiding tubes and bend controls allow for easy, controlled access to fibers and splices
- When shelf is back mounted, wrap-around side panel and pigtail guide designed for easy addition of pigtails
- Easy identification of each fiber

Dimensions and Capacities

Dimensions in mm	FIST-GSS2 (19")	FIST-GSS3 (15")
	19"/ETSI	15"
Height	125	125
Width	485	385
Depth	280	280

Capacity

Splice capacity cable to cable:	Trays	Number of splices	Trays	Number of splices
FIST-SOSA2-8SC (2F/4F)	48	96/192 ⁽¹⁾	36	72/144
FIST-SOSA2-4SE (12F)	24	288 ⁽¹⁾	18	216 ⁽¹⁾
Number of tubes in / maximum number of fibers per tube	16(3.1mm)/24		16(3.1mm)/24	
Number of tubes out / maximum number of fibers per tube	16(3.1mm)/24		16(3.1mm)/24	
Splice capacity cable to single pigtail	Trays	Number of splices	Trays	Number of splices
FIST-SOSA2-8SC (2F/4F)	48	96/192	36	72/144
FIST-SOSA2-4SE (8F)	24	192	18	144
Number of tubes in	24(3.1mm)		24(3.1mm)	
Number of single pigtails out (1.8 or 2.4mm) ⁽²⁾	Total pigtails out	Space in shelf for maximum 12 FIST-SPTK2 kits ⁽⁴⁾	Total pigtails out	Space in shelf for maximum 9 FIST-SPTK2 kits ⁽⁴⁾
	12x16 pigtails=192	16 pigtails per FIST-SPTK2-16	9x16 pigtails=144	16 pigtails per FIST-SPTK2-16
Splice capacity cable to IFC/BOC	Trays	Number of splices	Trays	Number of splices
FIST-SOSA2-8SC (2F/4F)	48	96/192	36	72/144
FIST-SOSA2-4SE (12F)	24	288	18	
FIST-SOSA2-5SE (12F)	30	360		
Number of tubes in	24(3.1mm)		24(3.1mm)	
Number of 24-fiber IFC out (maximum diameter 8.5mm without strength member) ⁽²⁾	Total IFC-24 cables out	Space in shelf for maximum 12 FIST-SPTK3 kits	Total IFC-24 cables out	Space in shelf for maximum 9 FIST-SPTK3 kits
	12x24 IFC=288 fibers	12xFIST-SPTK3 for 12 IFC-24	9x24=216	9xFIST-SPTK3 for 9 IFC-24
	15x24 IFC=360 fibers ⁽¹⁾	15xIFC-24 per FISTHTK2	10x24=240	10xIFC-24 per FISTHTK3

(1) Optimal solution if using 24 fibers per loose tube (LT-24)

(2) For pigtails with 3.00mm diameters, please contact your local CommScope sales representative

(3) Use of FIST-SPTK2-COVER-I (ordered separately) is recommended.

(4) Use of FIST-SPTK2-COVER-Q (ordered separately) is recommended.

Depending on the trays required, other capacities are possible; please contact your local CommScope sales representative or consult the FIST-SOSA ordering guide.

Standard kit content

- Shelf assembly with UMS profile. Shelf assembly includes
 - Pre-installed short fiber arrangement system block with 1 tube holder and cover for controlled fiber routing
 - Pre-installed shelf cover
 - Pre-installed transportation tubes to guide cable elements to entry of fiber arrangement system
 - For single fiber loose tube option, double flex-clip for 2 flex-tubes and tie-wraps provided. Flex-tubes⁽⁵⁾ guide the loose tubes from cable attachment point in rack towards the shelf
- Mounting brackets (including ETSI mounting bracket)
- One trumpet to guide pigtails as they exit shelf
- Identification labels, cards and card holders
- Tray lid and fiber guiding pin
- Mounting screws and nuts
- Installation instructions

⁽⁵⁾ Flex-tubes ordered separately. For loose tube, central core or other cable types, fixation accessories ordered separately.

FIST-GSS2/3

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Ordering Information FIST-GSS2



Ordering Information FIST-GSS3



To completely configure a FIST-GSS2/3 splice shelf, please refer to the ordering guides for the FIST-SOSA splice-only sub-assemblies and for the FIST-GSS2/3 accessories.

Items to be ordered separately:

- FIST-SOSA2 trays
- Fusion splice protectors (according to the type of tray chosen)
- Aramid yarn termination units and bend control devices (FISTHTK, FISTKTU, FISTPTK, FISTSPTK, FISTKTU, FISTSF-KTU-(100)...)
- Pigtails, patch cords, IFC (OCI, OCJ, OCIP)



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