

Accessories for FIST Racks and Shelves

Ordering Guide

Description

The FIST-GSS2/3, FIST-GPS2/3 and FIST-GMS2 shelves feature FIST fiber management system technology.

They mount ETSI (FIST-GR3), 19- or 15-inch racks.

Accessories are available for termination of most common cable types, e.g. loose tube, central core, ribbon fiber.

Patch Cord Management

Description	Ordering Number	Kit Content
<p>60mm drum for bend control of 218mm; 10 pieces per kit; mounting screws included</p>	FIST-GR2-DRM	
<p>Containment brackets; keeps patch cords together in side duct; mounting hardware included</p>	FIST-GR2-PCBR-10	
<p>Horizontal patch cord management; stores functional overlength of patch cords</p> <p>19"/metric mounting Height: 175mm (7 ETSI HU)</p> <p>Pigtail capacity: Ø 1.4mm = 6 x 144 fibers; Ø 2.4mm = 6 x 72 fibers</p> <p>5 half round drums guide patch cords entering from left or right side duct</p>	FIST-GR2-HPM-I	
<p>Horizontal patch cord storage for patch cord overlengths</p> <p>19"/metric mounting Height: 175mm (7 ETSI HU)</p> <p>Pigtail capacity: Ø 1.4mm = 1000m; Ø 2.4mm = 500m</p> <p>5 drums for either right or left patch cord entrance</p>	FIST-GR2-HPS-I	
<p>Patch cord orientation module to redirect or branch pigtail bundle</p> <p>19"/metric mounting Height: 5 ETSI HU (125mm)</p> <p>Pigtail capacity: Ø 1.4mm = 500 fibers; Ø 2.4mm = 250 fibers</p>	FIST-GR2-POM-I	
<p>Extended base duct (215mm depth) for 150mm side duct; increases patch cord capacity at bottom of rack; incoming feeder cable must come from top of rack</p>	FIST-GR3-BD-150/215	

Patch Cord Management (continued)

Description	Ordering Number	Kit Content
Extended base duct (215mm depth) for 300mm side duct; increases patch cord capacity at bottom of rack; incoming feeder cable must come from top of rack	FIST-GR3-BD-300/215	 A white, U-shaped metal duct with a flat top and two vertical side walls, designed to fit into a rack's base.
Kit to lead jumpers from front to back of rack; <u>required when extended base duct used</u>	FIST-GR3-BD-BTB-600/215	 A set of four white, vertical metal strips with a central slot and a small circular component at the top, used for routing patch cords.

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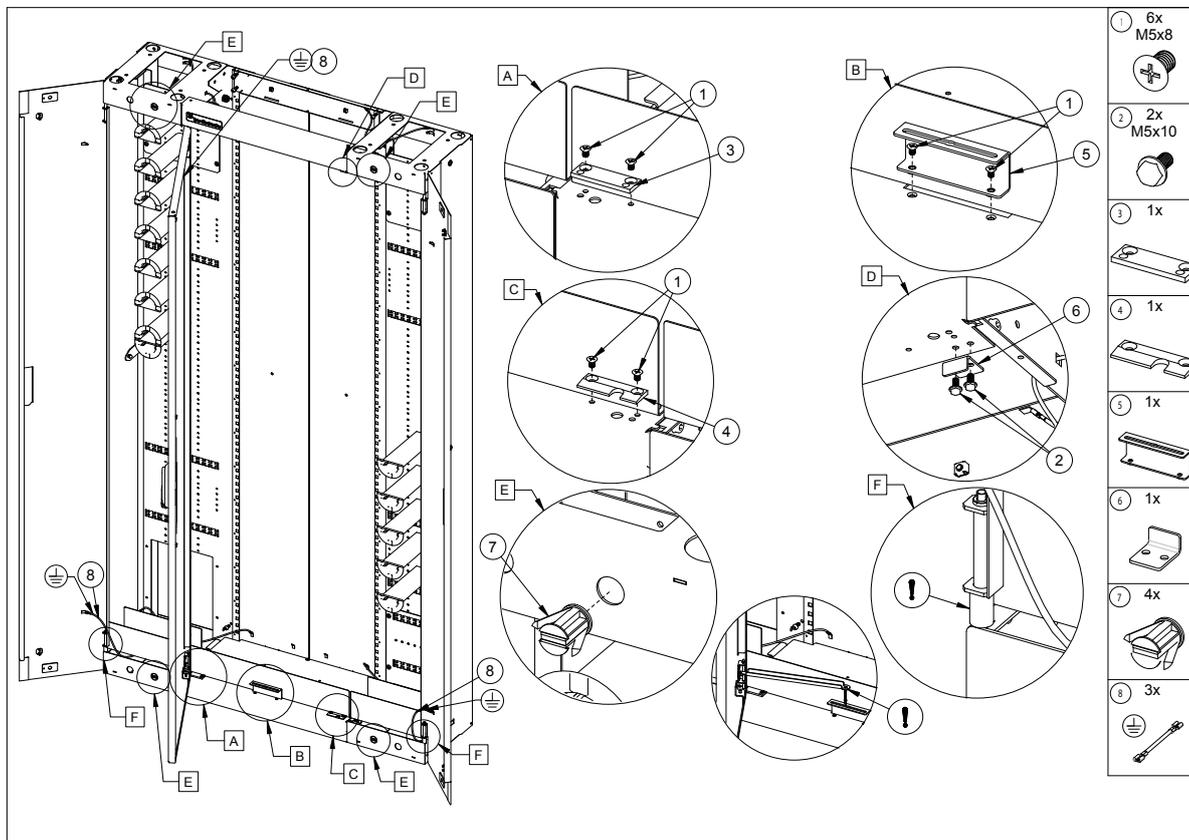
General Rack Accessories

Description	Ordering Number	Kit Content
<p>A4 document holder; 10 pieces per kit</p>	<p>FIST-GR2-DOCHOLDER-10</p>	
<p>Door lock; standard key (CommScope1) including 2 locks for side ducts. <i>Lock for central door included with central door kit</i></p>	<p>FIST-GR3-DL2</p>	
<p>Identification ruler labels; placed in rack to identify shelves' positions</p>	<p>FIST-GR3-ID-RUL-1/80-10</p>	
<p>Side by side attachment bracket; allows installation of 2 racks side by side</p>	<p>FIST-GR3-STS</p>	
<p>Back-to-back/wall mounting bracket; allows installation of 2 racks back-to-back or on a wall (included in rack kit)</p>	<p>FIST-GR3-BTB / FIST-GR3-F-BTB</p>	

Doors

Description	Ordering Number ¹
For FIST-GR3 only	
(1) door for 150mm side duct Width: 150mm Height: 1800/2200mm	FIST-GR3-D-150- XX -2
(1) door for 300mm side duct Width: 300mm Height: 1800/2200mm Lock included	FIST-GR3-D-300- XX -2
For FIST-GR3 only	
(1) door for 600mm central section Width: 600mm Height: 1800/2200mm Lock included	FIST-GR3-D-600- XX -2
For FIST-GR3 only	
(1) door for 450mm central section Width: 450mm Height: 1800/2200mm Lock included	FIST-GR3-D-450- XX -2

¹ For height, replace **XX** with 18 = 1800mm; 22 = 2200mm
 For 2.6m racks, please contact your CommScope sales representative.



Top Covers

Description	Ordering Number	Kit Content	
For FIST-GR3 & FIST-GR3F racks			
<p>(1) top cover for standard 150mm side duct</p> <p>Width: 150mm Depth: 300mm</p>	FIST-GR3-T-150		
<p>(1) top cover for standard 300mm side duct</p> <p>Width: 300mm Depth: 300mm</p>	FIST-GR3-T-300		
<p>(1) top cover for standard 150mm side duct; <i>used with depth extension kit</i></p> <p>Width: 150mm Depth: 400mm</p>	FIST-GR3-T400-150		
<p>(1) top cover for standard 300mm side duct; <i>used with depth extension kit</i></p> <p>Width: 300mm Depth: 400mm</p>	FIST-GR3-T400-300		
For FIST-GR3 only			
<p>(1) top cover for 600mm central section</p> <p>Width: 600mm Depth: 300mm</p>	FIST-GR3-T-600		
<p>(1) top cover for 600mm central section <i>used with depth extension kit</i></p> <p>Width: 600mm Depth: 400mm</p>	FIST-GR3-T400-600		
For FIST-GR3F only			
<p>(1) top cover for 450mm central section</p> <p>Width: 450mm Depth: 300mm</p>	FIST-GR3F-T-450		

Accessories for FIST Shelves

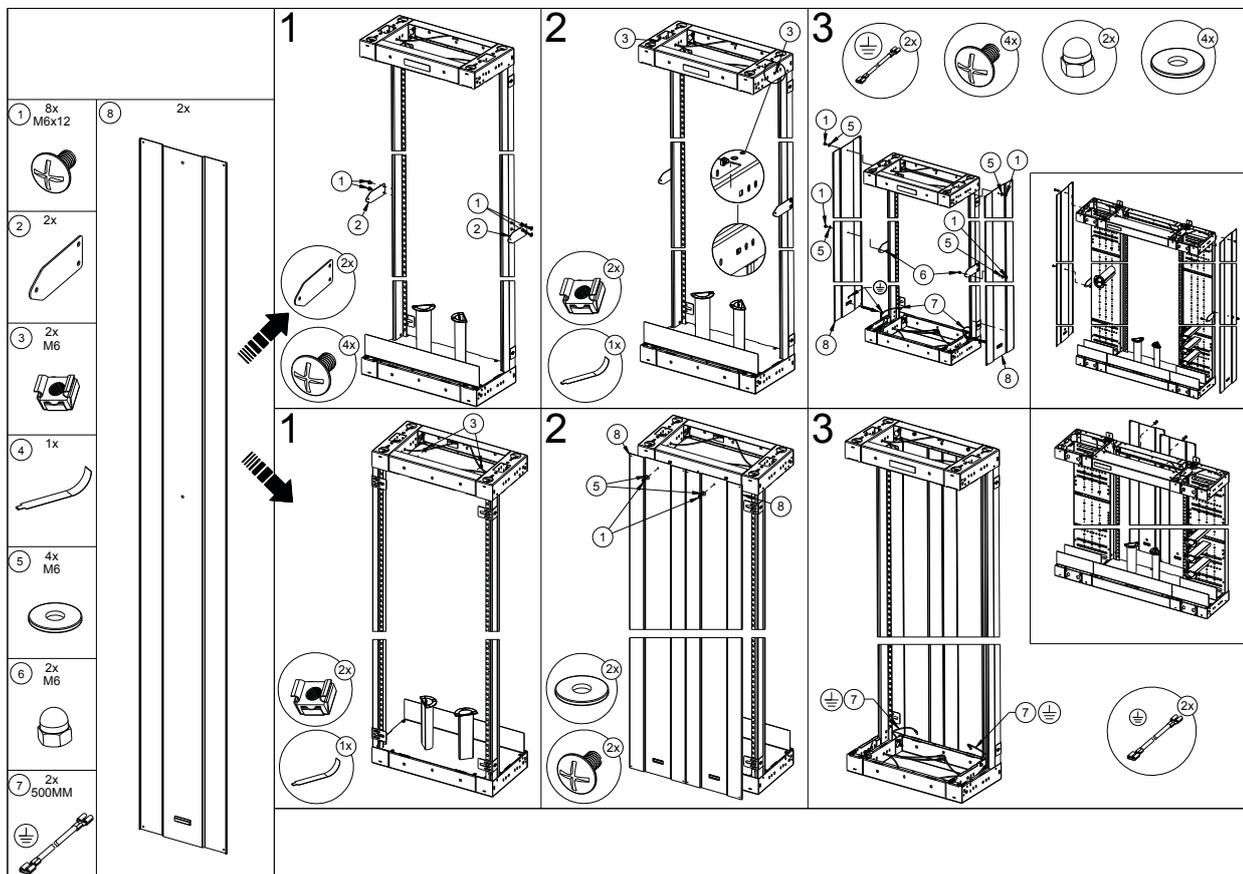
Ordering Guide

Panels

- Cover side or back of installed frame
- Mounting accessories and installation instructions included

Description	Ordering Number ¹
For FIST-GR3 & FIST-GR3F racks	
(2) side or back panels Width: 300 Height: 1800/2200 (Set of 2 panels can be used as back panels for FIST-GR3 to cover the back of 600mm central section)	FIST-GR3-P-300- XX
For FIST-GR3 only	
(2) side panels; <i>used with depth extension kit</i> Width: 400 Height: 1800/2200	FIST-GR3-P-400- XX
FIST-GR3F only	
(1) back panel Width: 450 Height: 1800/2200	FIST-GR3-P-450- XX

¹ For height, replace **XX** with 18 = 1800mm; 22 = 2200mm
 For 2.6m racks, please contact your CommScope sales representative.



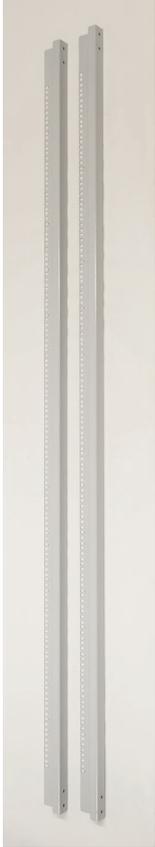
Depth Extension Kits

- Extends depth of rack from 300mm to 400mm
- Used when mounting active equipment with maximum depth of 400mm
- Used with front mounting profiles (see page 9)

Description			Ordering Number	Kit Content
For FIST-GR3 only				
Side Duct	Central Section	Side Duct		
150mm	600mm	150mm	FIST-GR3-DEX400-150/150	
150mm	600mm	300mm	FIST-GR3-DEX400-150/300	
300mm	600mm	300mm	FIST-GR3-DEX400-300/300	

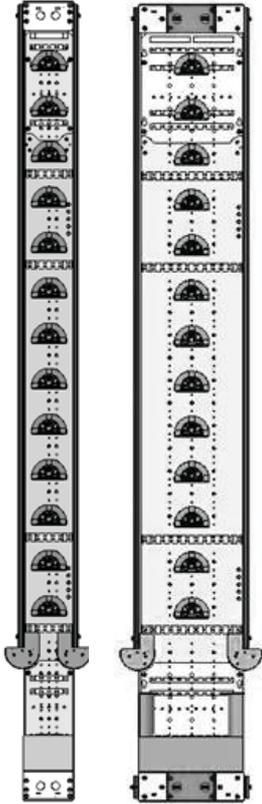
Front Mounting Profile

- These front mounting brackets only mount on side ducts. They will not mount in the central section and on poles.

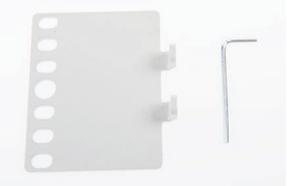
Description	Ordering Number	Kit Content
For FIST-GR3 only		
For 19" rack spacing, Height: 1800mm	FIST-GR3-FRMT-I-18	
For 19" rack spacing, Height: 2200mm	FIST-GR3-FRMT-I-22	
For metric rack spacing Height 1800mm	FIST-GR3-FRMT-M-18	
For metric rack spacing Height 2200mm	FIST-GR3-FRMT-M-22	

Storage Bay

- Stores patch cord overlengths in a line-up

Description	Ordering Number	Kit Content
FIST-GR3 and FIST-GR3F racks		
Rack Width: 300mm Height: 1800mm	FIST-GR3-SB-300-18-2	
Rack Width: 300mm Height: 2200mm	FIST-GR3-SB-300-22-2	
Rack Width: 150mm Height: 1800mm	FIST-GR3-SB-150-18-2	
Rack Width: 150mm Height: 2200mm	FIST-GR3-SB-150-22-2	

Mounting Brackets

Description	Ordering Number	Kit Content
1HU 19" shelves		
Mount 19" shelf in 19" rack Included in 19" FIST-GPS2 shelf kits	FISTMB2-1HU	
Mount 19" shelf in 19" rack with ETSI pitch (i.e. FISTCAB5 and FISTVWR2)	FISTMB2-1HU-H(M)	
Mount 19" shelf in ETSI rack Included in 19" FIST-GPS2 shelf kits	FISTMB2-1HU-M	
2HU 19" shelves		
Mount 19" shelf in 19" rack Included in 19" FIST-GPS2 shelf kits	FISTMB2-2HU	
Mount 19" shelf in ETSI rack Included in 19" FIST-GPS2 shelf kits	FISTMB2-2HU-M	
Asymmetrical mounting of 19" shelf in ETSI rack	FISTMB2-2HU-M-AS	

Mounting Brackets (continued)

Description	Ordering Number	Kit Content
2HU 15" shelves		
Mount 15" shelf in ETSI rack	FIST-ODF-MB-R/IM-AS	
3 and 4HU 19" shelves		
Mount 19" shelf in 19" rack	FIST-MB2-I	
Mount 19" shelf in 23" rack	FIST-MB2-B	
Mount 19" shelf in ETSI rack (Brackets included with FIST shelves)	FIST-MB2-M	
Asymmetrical mounting of 19" shelf in ETSI rack	FIST-MB2-M-AS	
Asymmetrical mounting of 15" shelf in ETSI rack	FIST-ODF-MB2-QT/M-AS	
Asymmetrical mounting of 15" shelf in 19" rack	FIST-ODF-MB2-QT/I-AS	

Adaptation Brackets

- Used for mounting shelves and equipment in FIST-GR3 racks
- Use standard mounting brackets (pages x-xx) for FIST-GPS2/3 and FISTGSS2/3 shelves

Description	Ordering Number	Kit Content
3 and 4HU adaptation bracket (for 19" frame) to ETSI mounting bracket	FIST-MB-M	
1HU adaptation bracket (for 19" frame) to ETSI mounting bracket	FIST-MB-M-1HU	
3 and 4HU adaptation bracket (for 19" frame) to ETSI mounting bracket <u>for asymmetrical mounting</u>	FIST-MB-M-AS	
OCSH-R (15" 2HU) adaptation bracket to 19" or ETSI mounting bracket <u>for asymmetrical mounting</u>	FIST-ODF-MB-R/IM-AS	

Loose Tube Protection/Transportation Tubes

- Protects loose tube cable

Description		Ordering Number	Kit Content
Diameter	Length		
10mm	50m	FIST-GS-FLEX-10-50	
12mm	50m	FIST-GS-FLEX-12-50	
17mm	10m	FIST-GS-FLEX-17-10	
<i>Standard for FISTGR3</i>			
17mm	50m	FIST-GS-FLEX-17-50	
<i>Standard for FISTGR3</i>			

General Shelf Accessories

Description	Ordering Number	Kit Content
<p>Storage basket; mounts within shelf and occupies 2 tray spaces; only for FIST-GPS2 shelves with 2HU (89mm) or 3HU (125mm) heights. Can be ordered pre-mounted in FIST-GPS2 shelves (please see separate product sheet)</p>	FIST-GPS2-IJ-PTSTO-KIT	
<p>Identification cards and holders; <u>10 pieces per kit</u></p>		
<p>For FIST-GPS2/3 shelves</p>		
44mm (1HU) shelves	FIST-GPS2-1HU-ID-10	
89mm (2HU) shelves	FIST-GPS2-2HU-ID-10	
125mm (3HU) shelves	FIST-GPS2-ID-10	
<p>For FIST-GSS2/3 shelves</p>		
125mm (3HU) shelves	FIST-GSS2-ID-10	

General Accessories for Racks and Shelves

Description	Ordering Number	Kit Content
<p>Long Allen key: used to easily back mount shelves in FIST-GR3(F) racks Diameter: 5mm Length: 350 mm</p>	FACC-ALLEN-KEY-5-350	
<p>Cage nut tool; install and remove cage nuts</p>	FACC-CAGE-NUT-TOOL	
<p>Tube cutter</p>	FACC-TUBE-CUTTER-01	
<p>Tube stripper</p>	FACC-TUBE-STRIPPER-02	
<p>Splice mounting system; mounts splicing machine to rack during splicing</p>	FIST-GR2-SMS-01	

Rack Related Accessories

Description		Ordering Number		Kit Content
Outer Cable Accessories				
C-cable clamps				
Number of cables per clamp	Diameter (min/max)	Number of pieces		
1	8/12mm	1	FIST-GR2-CAA-1-8/12	
1	22/28mm	1	FIST-GR2-CAA-1-22/28	
1	28/34mm	1	FIST-GR2-CAA-1-28/34	
2	12/16mm	1	FIST-GR2-CAA-2-12/16	
2	12/16mm	5	FIST-GR2-CAA-2-12/16-51	
2	12/16mm	11	FIST-GR2-CAA-2-12/16-112	

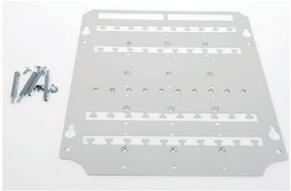
¹ Used in 150mm side ducts; maximum 5 clamps can be mounted in 150mm FIST-GR3(F) side duct

² Used in 300mm side ducts; maximum 11 clamps can be mounted in 300mm FIST-GR3(F) side duct

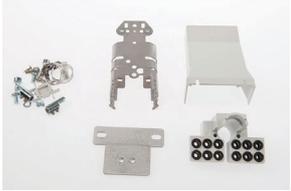
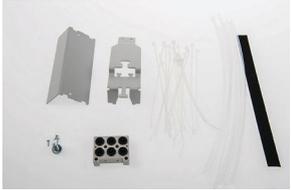
Rack Related Accessories (continued)

Description			Ordering Number	Kit Content
Number of cables	Diameter (min/max)	Number of pieces		
2	16/22mm	1	FISTGR2-CAA-2-16/22	
2	22/28mm	1	FISTGR2-CAA-2-22/28	
2	28/34mm	1	FISTGR2-CAA-2-28/34	
3	12/16mm	1	FISTGR2-CAA-3-12/16	
3	16/22mm	1	FISTGR2-CAA-3-16/22	
3	22/28mm	1	FISTGR2-CAA-3-22/28	

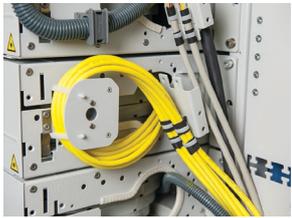
Rack Related Accessories (continued)

Description	Ordering Number	Kit Content
Cable Attachment Plates		
<p>L-cable attachment plate; supports up to 10 IFC or breakout cables; mounts perpendicularly in a side duct</p>	FIST-GR2-BOIC-LPL	
<p>Back plate for 300mm duct; accommodates up to 9 FIST-GR2-BOIC-LPL; mounts flat on the 300mm side duct</p>	FIST-GR2-BOIC-BPL	
<p>Cable plate for IFC and breakout cable; includes L cable attachment plate (FIST-GR2-BOIC-LPL) and 1/6 tube dividers (FIST-GPS2-TD-5mm-3LTA) (3 pieces)</p>	FIST-GR3-BOIC-3TD1/6	
<p>19" cable element management tray; mounts cables horizontally in central section of rack; ETSI mounting brackets included</p>	FIST-GR3-CEMTI	
<p>Angled cable attachment plate; to be placed inside rack when no cable side duct available</p>	FIST-GR3-CAP-ANG-INT	
Internal extension cable attachment plate		
<p>150mm side duct</p>	FIST-GR3-CAP-150-INT	
<p>300mm side duct</p>	FIST-GR3-CAP-300-INT	

Rack Related Accessories (continued)

Description	Ordering Number	Kit Content
Inner Cable Accessories; mount in side duct next to shelf Outside Plant Cables		
2 (maximum) loose tube ribbon cables; up to 6 tubes of 12-fiber ribbon; strength member Ø: up to 1.5 - 5mm	FIST-GR-CTB100	
2 (maximum) central core cables; strength member Ø: up to 2.5mm	FIST-GR-CTB100-CC	
Tube divider; 6 tubes 5mm in - 6 tubes 5mm out; used to spread (ribbon) fibers over several tubes	FIST-GR-TD-5mm	
<i>Outside plant cable kit shown installed</i>		
Tube divider for back of shelf; used with loose tube cable; 1 tube 17mm in - 6 tubes 5mm out; used to spread fibers over several tubes		
Used only in FIST-GPS2 shelves	FIST-GPS2-TD-5MM-3LTA	
Used only in FIST-GPS2 shelves	FIST-GPS3F-TD-5MM-3LTA	

Shelf Related Accessories

Description	Ordering Number	Kit Content
Outer Cable Accessories		
Universal Side Termination Kits		
<i>Loose tube cable construction; 2 cables from top or bottom</i>		
For FIST-GSS2/3 or GMS2 shelves		
2HU	FIST-GR-CTB100	
3HU/4HU	FIST-UST-3HU-A-A	
For FIST-GPS2/3 shelves		
2HU	FIST-UST-2HU-B-A	
3HU/4HU	FIST-UST-3HU-B-A	
<i>IFC or breakout cable construction; 2 cables from top or bottom</i>		
For FIST-GSS2/3 or FIST-GMS2 shelves		
2HU	FIST-UST-2HU-A-B	
3/4HU	FIST-UST-3HU-A-B	
For FIST-GPS2/3 shelves		
2HU	FIST-UST-2HU-B-B	
3HU/4HU	FIST-UST-3HU-B-B	

Shelf Related Accessories (continued)

Description	Ordering Number	Kit Content
<p>Cable Extension Kit for 2 additional cables on standard plate</p>	FISTUSTEXKIT-2CA	
<p>Extension Plate includes FISTUSTEXKIT-2CA</p>	FISTUSTEXPL	
Universal Cable Termination - central strength member bracket		
6 pieces	FISTGR2-UCT06	
12 pieces	FISTGR2-UCT12	

Shelf Related Accessories (continued)

Description	Ordering Number	Kit Content	
Cable Termination Kits			
<i>Outside plant cable</i>			
For FIST-GSS2/3 shelves			
For single fiber loose tube cables; Includes components for strength member fixation, cable jack fixation onto rack	2 cables (maximum), <u>back termination</u>	FIST-GSS2-CTBS-2	
	4 cables (maximum), <u>side termination</u>	FIST-GSS2-CTS-4	
For FIST-GPS2/3 shelves			
For single fiber loose tube cables; Includes components for strength member fixation, cable jack fixation onto rack, <u>back termination</u>	1HU, 1 cable (maximum)	FIST-CT-1HU-B-1	
	2HU, 2 cables (maximum)	FIST-CT-2HU-B-2	
	3HU, 2 cables (maximum)	FIST-CT-B-2	
Tube divider; placed behind hinge of GPS2 shelf (2HU or 3HU only)	FIST-GPS2-TD-5MM		

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Inner Cable Accessories

For FIST-GSS2/3 shelves			
Description	Ordering Number	Kit Content	
<i>IFC, breakout cables and ruggedized pigtails (1.6 to 3.1 mm)</i>			
Provides strain relief to IFC sub-units in cable to splice to pigtails; includes foam and tie-wraps 1 kit per shelf required	GSS2 (19") IFC termination kit	FISTHTK2	
	GSS3 (15") IFC termination kit	FISTHTK3	
<i>Aramid yarn termination units</i>			
Capacity: 2 single fiber pigtails (Ø 1.6 -w 3.1 mm)	(4) black termination units	FISTKTU2	
	(4) black termination units, plus mounting bracket	FISTPTK2	
	(4) black termination units, plus mounting bracket, plus (1) IFC bracket	FISTPTK3	
<i>Small-form aramid yarn termination units</i>			
Capacity: 1 single fiber pigtail (Ø 1.6 - 2.4 mm)	(6) white termination units, plus (1) IFC bracket	FIST-SPTK3-6	
	(12) white termination units, plus mounting bracket	FIST-SPTK2-12	
	(100) white termination units	FIST-SF-KTU(100)	



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