

Fibre Rack Mount Enclosure – Sliding



Features and Benefits

- Modular apertures accommodate AFL's extensive range of flat or angled coupler panels for various connector types, modes, and densities.
- Double extendable ball bearing drawer slides enable smooth sliding tray mechanism and maximum internal access.
- Durable panel locators facilitate fibre identification and record keeping.
- Internal fibre saddles manage incoming cables and terminated fibres.
- Flat and angled rodent protected cable entry options available throughout the range.
- Comprehensive selection of front panel options and accessories can be configured and supplied to meet specific requirements.

Applications

- Fusion splicing of loose tube or tight buffered cables
- Patching of pre-terminated loose tube or tight buffered cables
- Patching of field terminated cables
- Supports low to high fibre count applications

Technical Specifications

PART NUMBER	FRE-1RU-MOD-S	FRE-2RU-MOD-S	FRE-3RU-MOD-S	FRE-3RU-MOD12-S		
						
Dimensions (mm) (W) X (D) X (H)	482 (19") x 300 x 44	482 (19") x 330 x 88	482 (19") x 365 x 132			
Weight (Kg)	4.2	5.6	6.6			
Coupler Panel Capacity	2	4	8	12		
Max. Port Capacity using Coupler Panels	24 SC, ST, FC and 48 LC	48 SC, ST, FC and 96 LC	96 SC, ST, FC and 192 LC	72 ST, FC, 144 SC, 288 LC		
Max. Port Capacity using Optional Fixed Front	Angled: 36SC, 72LC Flat: 48SC, 96LC	Angled: 72SC, 144 LC Flat: 96SC, 192LC		Not Available		
Max. Single Fibre Splice Capacity (single/double stacked splice protectors)	36/72	72/144	144/288			
Max. Recommended incoming Cables	2 per Side (See Rear Cable Entry Options)	4 per Side (See Rear Cable Entry Options)				
Material and Colour	1.6 mm Steel - Powder-coated Mercury Grey					
Included Cable Glands	1 x 20 mm Spiral Compression Gland		2 x 20 mm Spiral Compression Glands			
Included Cabled Strain Relief Anchors	1 Kit		2 Kits			
Standard Accessories	Cable management saddles, rack fixing screws, washers and cage nuts, hook and loop strap, cable ties and termination record sheets					
Optional Accessories	All AFL rackmount enclosures can be purchased as a pre-assembled enclosure with the following inclusions: Patch plates, splice cassettes, splice protectors, through adapters & pigtails. See Optional Accessories Chart for further details on available accessories. Contact AFL to configure and quote your enclosure					

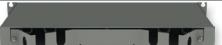
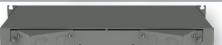
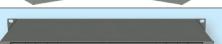
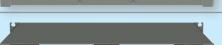
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Ordering Information

Fibre Rack-mount Enclosure Rack Spaces & Fascia Rear Cable Entry

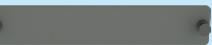
FRE – **1RU-MOD** – **S**

FRONT FASCIA OPTIONS		
CODE	DESCRIPTION	IMAGE
1RU-MOD	1 Rack Unit modular front panel to suit 2 Standard Density (SD) coupler panels	
1RU-36SCV	1 Rack Unit angled left & right fixed front panel to suit 36 SC simplex or LC duplex footprint adapter (1RU only)	
1RU-48SCV	1 Rack Unit flat fixed front panel to suit 48 SC simplex or LC duplex footprint adapter (1RU only)	
2RU-MOD	2 Rack Unit modular front panel to suit 4 Standard Density (SD) coupler panels	
2RU-72SCV	2 Rack Unit angled left & right fixed front panel to suit 72 SC simplex or LC duplex footprint adapter (2RU only)	
2RU-96SCV	2 Rack Unit flat fixed front panel to suit 96 SC simplex or LC duplex footprint adapter (2RU only)	
3RU-MOD	3 Rack Unit modular front panel to suit 8 Standard Density (SD) coupler panels	
3RU-MOD12	3 Rack Unit modular front panel to suit 12 Angled Universal (AU) coupler panels (3RU only)	

REAR CABLE ENTRY OPTIONS			
CODE	DESCRIPTION	SPECIFICATIONS	IMAGE
S	1RU Standard 'M' shaped angled rear cable entry bracket	4 x 20 mm slots 2 x 20 mm holes ¹	
	2/3RU Standard 'M' shaped angled rear cable entry bracket	4 x 20 mm slots 4 x 20 mm holes 2 x 20 mm holes ¹	 
SB	1RU Angled rear slotted cable entry bracket best suited for high quantity of bundled, tight buffered cable	1 x 20 mm slot	
SMRP	1RU Rodent protected 'M' shaped angled rear cable entry bracket with covers	4 x 20 mm knockout slots 2 x 20mm holes ¹	
	2/3RU Rodent protected 'M' shaped angled rear cable entry bracket with covers	4 x 20/25 mm holes/slots 4 x 20/25 mm holes 4 x 20 mm interface kit holes ¹	 
SRP	1RU Rodent protected flat cable entry bracket	4 x 20 mm knockout slots	
	2/3RU Rodent protected flat cable entry bracket	8 x 20 mm knockout holes	 

¹ Holes suitable only for use with interface kit with 20 mm angled gland.

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STANDARD DENSITY (SD) COUPLER PANELS		
PART NUMBER	DESCRIPTION	IMAGE
FRE-BLANK	Blank Panel	
FRE-BLANK-SML	Blank Panel to convert 3RU MOD front panel from 8 to 6 panel capacity (See FIG. 01, 4 pcs required)	
FRE-SC06H-FL1/6	SC/LCD, 6 Port Flat Panel, Printing 1-6 Horizontal	
FRE-SC06H-AL1/6	SC/LCD, 6 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-SC06H-AR1/6	SC/LCD, 6 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-SC12D-FL1/12	SC/LCD, 12 Port Flat Panel, Printing 1-12 Diagonal	
FRE-SC12D-FL13/24	SC/LCD, 12 Port Flat Panel, Printing 13-24 Diagonal	
FRE-SC12H-AL1/12	SC/LCD, 12 Port Left Facing Panel, Printing 1-12 Horizontal	
FRE-SC12H-AR1/12	SC/LCD, 12 Port Right Facing Panel, Printing 1-12 Horizontal	
FRE-SC12V-AL1/12	SC/LCD, 12 Port Left Facing Panel, Printing 1-12 Vertical	
FRE-SC12V-AR1/12	SC/LCD, 12 Port Right Facing Panel, Printing 1-12 Vertical	
FRE-SC12V-AR13/24	SC/LCD, 12 Port Right Facing Panel, Printing 13-24 Vertical	
FRE-SCD03H-FL1/6	SCD/LCQ, 3 Port Flat Panel, Printing 1-6 Horizontal	
FRE-SCD03H-AL1/6	SCD/LCQ, 3 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-SCD03H-AR1/6	SCD/LCQ, 3 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-SCD06D-FL1/12	SCD/LCQ, 6 Port Flat Panel, Printing 1-12 Diagonal	
FRE-SCD06D-FL13/24	SCD/LCQ, 6 Port Flat Panel, Printing 13-24 Diagonal	
FRE-SCD06H-AL1/12	SCD/LCQ, 6 Port Left Facing Panel, Printing 1-12 Horizontal	
FRE-SCD06H-AR1/12	SCD/LCQ, 6 Port Right Facing Panel, Printing 1-12 Horizontal	
FRE-ST06H-FL1/6	ST/FC, 6 Port Flat Panel, Printing 1-6 Horizontal	
FRE-ST06H-AL1/6	ST/FC, 6 Port Left Facing Panel, Printing 1-6 Horizontal	
FRE-ST06H-AR1/6	ST/FC, 6 Port Right Facing Panel, Printing 1-6 Horizontal	
FRE-ST12D-FL1/12	ST/FC, 12 Port Flat Panel, Printing 1-12 Diagonal	
FRE-ST12D-FL13/24	ST/FC, 12 Port Flat Panel, Printing 13-24 Diagonal	

Non-standard panel colours & numbering available, MOQ may apply. Contact AFL for more information

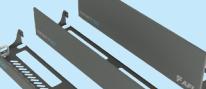
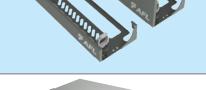


Figure 1: 3RU MOD Front Fascia with 4 pcs of FRE-BLANK-SML fitted.

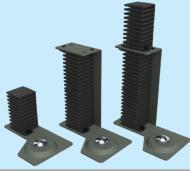
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ANGLE UNIVERSAL (AU) COUPLER PANELS – ONLY SUITABLE FOR 3RU-MOD12 FRONT FASCIA					
Part Number	FRE-BLANK-V	FRE-ST06V-AU	FRE-SC06V-AU	FRE-SC12V-AU	FRE-SCD06V-AU
Description	Vertical Blank Panel	ST/FC 6P Vertical Angled	SC/LCD 6P Vertical Angled	SC/LCD 12P Vertical Angled	SCD/LCQ 6P Vertical Angled
Image					

Accessories

PART NUMBER	DESCRIPTION	1RU	2RU	3RU	IMAGE
SPLCASS-LSH-HD-12/24K	Large Splice Cassette Kit Max. 24 Splices	✓	✓	✓	
SPLCASS-LSH-HD-24/48K	Large Splice Cassette Kit Max. 48 Splices	✓	✓	✓	
SPLCASS-LSH-HD-36/72K	Large Splice Cassette Kit Max. 72 Splices	✓	✓	✓	
SPLCASS-LSH-HD-48/96K*	Large Splice Cassette Kit Max. 96 Splices	*	✓	✓	
SPLCASS-LSH-HD-60/120K	Large Splice Cassette Kit Max. 120 Splices		✓	✓	
SPLCASS-LSH-HD-72/144K	Large Splice Cassette Kit Max. 144 Splices		✓	✓	
SPLCASS-LSH-HD-84/168K	Large Splice Cassette Kit Max. 168 Splices			✓	
SPLCASS-LSH-HD-96/192K	Large Splice Cassette Kit Max. 192 Splices			✓	
SPLCASS-LSH-HD-108/216K	Large Splice Cassette Kit Max. 216 Splices			✓	
SPLCASS-LSH-HD-120/240K	Large Splice Cassette Kit Max. 240 Splices			✓	
SPLCASS-LSH-HD-132/264K	Large Splice Cassette Kit Max. 264 Splices			✓	
SPLCASS-LSH-HD-144/288K	Large Splice Cassette Kit Max. 288 Splices			✓	
FRE-1RU-CTRAY	1RU front mount cable tray with identification labels (90 mm deep)	✓	✓	✓	
FRE-2RUCOVER-CT	2RU polycarbonate cover and labels for FRE-1RU-CTRAY (Suits 2RU enclosures)		✓		
FRE-3RUCOVER-CT	3RU polycarbonate cover and labels for FRE-1RU-CTRAY (suits 3RU enclosures)			✓	
FRE-1RU-CTRAY-LP	1RU front mount cable tray low profile (90 mm deep)	✓	✓	✓	
FRE-1RU-CTRAY-HG	1RU front mount cable tray with hinged cover and adhesive identification labels (98 mm deep)	✓			
FRE-2RU-CTRAY-HG	2RU front mount cable tray with hinged cover and adhesive identification labels (98 mm deep)		✓		
FRE-3RU-CTRAY-HG	3RU front mount cable tray with hinged cover and adhesive identification labels (98 mm deep)			✓	
FRE-1RU-STO	19" 1RU sliding storage tray for patch cord overlength, front & rear access	✓	✓	✓	

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PART NUMBER	DESCRIPTION	1RU	2RU	3RU	IMAGE
FRE-2RUCOVER-STO	2RU polycarbonate cover and labels for FRE-1RU-1RU-STO with 1RU enclosure installed above	✓			
FRE-3RUCOVER-STO	3RU polycarbonate cover and labels for FRE-1RU-1RU-STO with 2RU (or 2 x 1RU) enclosure/s installed above		✓		
FRE-4RUCOVER-STO	4RU polycarbonate cover and labels for FRE-1RU-1RU-STO with 3RU (or 3 x 1RU, 1RU + 2RU) enclosure/s installed above			✓	
FRE-1RUXEAR21	19" to 21" 1RU mounting ear, suits RU and SU racks (sold as pair)	✓			
FRE-2RUXEAR21	19" to 21" 2RU mounting ear, suits RU and SU racks (sold as pair)		✓		
FRE-3RUXEAR21	19" to 21" 3RU mounting ear, suits RU and SU racks (sold as pair)			✓	
HEY3246	M20 spiral compression gland suit cable 6.9 - 11.9 mm (black nylon) IP68	Requires 20 mm hole or slot			
CABGN20	M20 compression gland suit cable 8 - 13 mm (black nylon) IP68				
CABGN25	M25 compression gland suit cable 9 - 18 mm (black nylon) IP68				
CSM-ANCHOR	Cable strength member anchor max 7 mm diameter	1 ²	5	4	
FRE-CTRAY-1-PBL/R-K ³	Patch cord management left and right brackets for 1RU cable tray	✓	✓	✓	
FRE-CTRAY-2-PBL/R-K ³	Patch cord management left and right brackets for 2RU cable tray		✓	✓	
FRE-CTRAY-3-PBL/R-K ³	Patch cord management left and right brackets for 3RU cable tray			✓	

² Not compatible with SB rear cable entry option

³ Not compatible with low profile cable management tray

Additional products are available, including:

- Fibre optic pigtails and patch cords
- Fibre optic through adapters, shutters & blanking plugs
- Interface kits
- Fusion splicing consumables
- Termination consumables

