Fibre Optic Rack Enclosure – Limited Depth Sliding

AFL's range of limited depth sliding enclosures are proudly designed and assembled in Australia.

This range of enclosures caters for a variety of cable types including loose tube and tight buffered cables. The range has various sizes and panel arrangements available and is perfectly suited for a wide range of applications, in particular shallow-depth racks in hub sites or telecommunications exchanges.

Features and Benefits

- Modular apertures to suit AFL flat or angled panels for various connector types, modes and densities
- Internal fibre clips for managing incoming cables and terminated fibres
- Inward-facing, angled rear bracket allows glands to be fitted without compromising the depth of the enclosure
- Double extendable, ball bearing slide rails allow for smooth sliding tray mechanism and to provide maximum internal access
- Silkscreen panel locators for ease of fibre identification
- A range of alternate faceplates available for higher density applications

Applications

- Fusion splicing of loose tube or tight buffer cables
- Direct termination of tight buffer cables
- Pre-terminated riser cables
- Low volume through to high density applications
- AFL SD MTP® Cassettes

Technical Specifications

| PART NUMBER	FRE-1RU-MOD-S2	FRE-2RU-MOD-S2	FRE-3RU-MOD-S2[1]
Description	1RU 2 panel modular sliding enclosure – Limited depth	2RU 4 panel modular sliding enclosure – Limited depth	3RU 8 panel modular sliding enclosure – Limited depth
Dimensions (mm) (w) x (d) x (h)	433 x 200 x 44	433 x 200 x 88	433 x 200 x 132
Weight (kg)	3.1	5.2	6.2
Max modular front panels	2 horizontal	4 horizontal	8 horizontal
Max fibre count utilising AFL coupler panels	24 ST, FC, SC and 48 LC	48 ST, FC, SC and 96 LC	96 ST, FC, SC and 192 LC
Max splice capacity (single stacked/double stacked)	36/72	72/144	144/288
Incoming Cable Ports	1 x 20 mm Slot	1 x 20 mm Slot 1 x 20 mm Hole	1 x 20 mm Slot 2 x 20 mm Hole
High density simplex SC/duplex LC faceplates available	36 port angled 48 port flat	72 port angled 96 port flat	12 Panel vertical (144 port max)
Material and colour	Powdercoated 1.6 mm steel—Charcoal Grey		
Accessory kit	Standard accessory kit includes: cable management clips, strain relief post, cable ties, fixing bolts and nuts, 1 cable gland, velcro strap and connection record sheet		

1. 3RU Enclosures available by special order only

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Ordering Information

Fibre Rack-mount Enclosure	Rack-mount Enclosure size	Front Panel Options (see chart below)	Sliding 200 mm Depth Enclosure
FRE —	**1RU** —	**MOD** —	**S2**
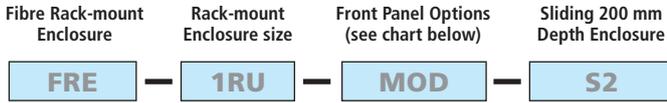
FRONT PANEL OPTIONS		
MOD	Standard panel apertures to suit AFL's wide range of coupler panels	
36SCV	Angled 36 Port fixed facia to suit SC simplex or LC duplex style adapters (1RU only)	
48SCV	Flat 48 Port fixed facia to suit SC simple or LC duplex style adapters (1RU only)	
72SCV	Angled 72 Port fixed facia to suit SC simplex or LC duplex style adapters (2RU only)	
96SCV	Flat 96 Port fixed facia to suit SC simple or LC duplex style adapters (2RU only)	
MOD12	Facia to suit 12 vertical modular coupler panels (3RU only)	

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Ordering Information

PANELS		
FRE-BLANK	Blank Panel	
FRE-BLANK-SML	Blank Panel 1/2 Size (8 Panel 3RU only)	
FRE-SC06H-FL1/6	SC/LCD 6P Panel 1-6HP Flat	
FRE-SC06H-AL1/6	SC/LCD 6P Panel 1-6HP Angle left	
FRE-SC06H-AR1/6	SC/LCD 6P Panel 1-6HP Angle right	
FRE-SC12D-FL1/12	SC/LCD 12P Panel 1-12DP Flat	
FRE-SC12D-FL13/24	SC/LCD 12P Panel 13-24DP Flat	
FRE-SC12H-AL1/12	SC/LCD 12P Panel 1-12HP Angle left	
FRE-SC12H-AR1/12	SC/LCD 12P Panel 1-12HP Angle right	
FRE-SC12V-AL1/12	SC/LCD 12P Panel 1-12VP Angle left	
FRE-SC12V-AR13/24	SC/LCD 12P Panel 13-24VP Angle right	
FRE-SCD03H-FL1/6-C	SC Duplex 3P Panel 1-6HP Flat	
FRE-SCD03H-AL1/6	SC Duplex 3P Panel 1-6HP Angle left	
FRE-SCD03H-AR1/6	SC Duplex 3P Panel 1-6HP Angle right	
FRE-SCD06D-FL1/12-C	SC Duplex 6P Panel 1-12DP Flat	
FRE-SCD06H-AL1/12	SC Duplex 6P Panel 1-12HP Angle left	
FRE-SCD06H-AR1/12	SC Duplex 6P Panel 1-12HP Angle right	
FRE-ST06H-FL1/6-C	ST/FC 6P Panel 1-6HP Flat	
FRE-ST06H-AL1/6	ST/FC 6P Panel 1-6HP Angle left	
FRE-ST06H-AR1/6	ST/FC 6P Panel 1-6HP Angle right	
FRE-ST12D-FL1/12-C	ST/FC 12P Panel 1-12DP Flat	
FRE-ST12D-FL13/24	ST/FC 12P Panel 13-24DP Flat	
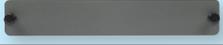
These panels suit the MOD-12 faceplate fitted to 3RU Enclosures. All adaptor panels are angled and can be used in the left or right hand side of the front panel.

FRE-SCD06V-AU
6 Port SC Duplex Vertical Angled

FRE-BLANK-V
Vertical Blank Panel

FRE-SC06V-AU
6 Port SC/LCD Vertical Angled

FRE-SC12V-AU
12 Port SC/LCD Vertical Angled

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Accessories

PART NUMBER	DESCRIPTION	
SPLCASS-LSH-HD-12/24K	Splice cassette kit, lge stack HD combs 12/24F	
SPLCASS-LSH-HD-24/48K	Splice cassette kit, lge stack HD combs 24/48F	
Cassette Kits for up to 288 fibres are available		
FRE-1RU-CTRAY	1RU front mount cable tray with ID strips	
FRE-1RU-CTRAY-LP	1RU front mount cable tray low profile	
FRE-1RU-CTRAY-HG	1RU front mount cable tray with hinged cover	
FRE-2RU-CTRAY-HG	2RU front mount cable tray with hinged cover	
FRE-3RU-CTRAY-HG	3RU front mount cable tray with hinged cover	
FRE-1RU-STO	1RU sliding storage tray	
FRE-2RUCOVER-CT	Suits 2RU enclosure with C-tray	
FRE-3RUCOVER-CT	Suits 3RU enclosure with C-tray	
FRE-4RUCOVER-STO	Suits 3RU enclosure with storage tray	
FRE-1RUXEAR21	19" to 21" 1RU mounting ear–suits RU and SU racks	
FRE-2RUXEAR21	19" to 21" 2RU mounting ear–suits RU and SU racks	
FRE-3RUXEAR21	19" to 21" 3RU mounting ear–suits RU and SU racks	
FRE-CTRAY-1-PBL/R-K	Patchcord management L/R brackets for C-tray–1RU kit	
FRE-CTRAY-2-PBL/R-K	Patchcord management L/R brackets for C-tray–2RU kit	
FRE-CTRAY-3-PBL/R-K	Patchcord management L/R brackets for C-tray–3RU kit	
The kit comes complete with left and right brackets, patchcord mounting block and mounting screws. Suitable for all 2 mm and 3 mm patchcords.		
FRE-INTKIT-C-1M	Multi cable interface kit, 1 metre up to 4 incoming cables	

Full range of additional accessories available including:
- Pigtails
- Simplex and duplex adapters
- Splicing consumables
- Termination consumables
- Internal cable management blocks (see insert)

These optional accessories can be ordered as a kit with any enclosure. Contact AFL for part numbers.