FRE Fibre Optic Rack Enclosure – 1RU Fixed

AFL's 1RU fixed enclosures are proudly designed and assembled in Australia.

This range of enclosures cater for a variety of cable types, including loose tube and tight buffered cables. The range has various types of front panels to suit a specific fibre count.

Type 1 (MOD)

Type 2 (36SCV)

Type 3 (48SCV)

Features and Benefits

- Choice of front panels:

  These enclosures have three types of front panels for housing adaptors. This can be particularly useful for high density applications where there is restricted rack space

  Type 1 (MOD): This is the standard twin aperture modular style that will hold all types of panels. Max 48 fibres

  Type 2 (36SCV): This panel has 36 angled ports for holding SC and LC duplex style adaptors

  Type 3 (48SCV): This panel has 48 flat ports for holding SC and LC duplex style adaptors

- Internal fibre clips for managing incoming cables and terminated fibres
- Flat rear bracket with cut-outs suitable for securing both unterminated and pre-terminated tight buffer and loose tube cable
- Silkscreen panel locaters for ease of fibre identification
- Flat rear bracket with four rodent proof knockout holes suitable for securing both unterminated and preterminated tight buffered and loose tube cable

Applications

- Fusion splicing of loose tube or tight buffer cables
- Direct termination of tight buffer cables
- Pre-terminated loose tube or riser cables
- Suitable for shallow racks where in-rack cable movement is problematic
- Housing fibre optic passive devices
- Suitable for installations where rodent proofing is required

Technical Specifications

Part Number	FRE-1RU-MOD-F	FRE-1RU-36SCV-F	FRE-1RU-48SCV-F
Description	1RU 2 panel modular fixed enclosure	1RU 36 port angled SC fixed enclosure	1RU 48 port flat SC fixed enclosure
Dimensions (mm) (w) x (d) x (h)	435 x 250 x 44		
Weight (kg)	4		
Max fibre count	24 ST, FC, SC and 48 LC	36 SC and 72 LC	48 SC and 96 LC
Max recommended incoming cables	2 each side		
Material and colour	Powder coated 1.6 mm mild steel – Charcoal grey		
Accessory kit	Standard accessory kit includes: cable management clips, strain relief post, cable ties, fixing bolts and nuts, Velcro strap and connection record sheet		

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Optional Panels and Accessories

1CLIP-IN COUPLER PANELS
AFL has a full range of coupler panels to suit the 'MOD' style enclosure. These panels include flat, angled, simplex and duplex style. Please contact AFL to discuss which panels will suit your specific needs.
Examples

12 port ST–Flat	12 port SC–Angled	12 port SC–Diagonal

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	
SPLCASS-LSH-HD-36/72K	Splice cassette kit, lge stack HD combs 36/72F	
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-EX	19" 1RU rail mount cable tray with ID strips	
FRE-1RU-STO-C	1RU Sliding storage tray	
FRE-1RUXEAR21	19" to 21" 1RU mounting ear—suits RU and SU racks	
FRE-1RUXEAR23	19" to 23" 1RU mounting ear—suits RU and SU racks	
FRE-1RUEARREV	1RU centre rail mounting ears	
Full range of additional accessories available including: Pigtails Simplex and duplex adapters Splicing consumables Termination consumables		