

Direct termination of tight buffered cable  
(24 fibres)

## FRE Fibre Optic Rack Enclosure – 1RU Sliding Internal Patch (S2IP)

AFL's FRE™ range of fibre optic rack enclosures are proudly Australian designed and manufactured. The 1RU Sliding Internal Patch (S2IP) enclosure is ideally suited to environments where a high level of patching security is required or where limited rack depth is available.

The S2IP enclosure is a splicing or direct termination enclosure that has been specifically designed to allow for the internal patching and management of patchcords, therefore preventing accidental damage or deliberate tampering.

It features a unique internal patchcord management system that protects outgoing patchcords from damage, interference and exceeding minimum bend radii.

### Features

- Internal splicing and patching of up to 48F LC or 24F SC
- Unique patchcord and cable management system that prevents potential squashing and jamming of fibres and patchcords
- Rear entry of cable and patchleads reduces cable movement and enables easy access to add or remove patchleads
- Innovative rear cable mounting bracket and loose tube conduit interface kit allow for single or multiple cable entry as well as additional cable retrofitting
- Internal layout can be mirrored for left or right hand cable management
- Extendable double slide rails for smooth sliding tray mechanism
- Standard accessories include 19" mounting brackets, blank front panels, internal SC patch panels, loose tube interface kit, chain link patchcord guide, accessory kit and installation instructions

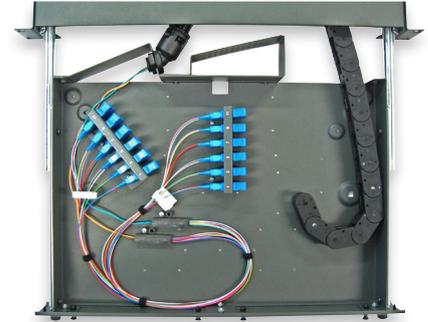
### Applications

- Ideal where patchcord security and tampering prevention is required
- Especially suited for confined spaces or where rack space is at a premium
- Fusion splicing and direct termination of loose tube and tight buffered cables
- Suitable for 19", 21" or 23" racks

## FRE Fibre Optic Rack Enclosure – 1RU Sliding Internal Patch (S2IP)

### Technical Specifications

Part Number	FRE-1RU-24SC-S2IP
Description	1RU 2 Panel Internal Splice / Patch Enclosure
Dimensions (mm) (w) x (d) x (h) (excluding mounting brackets)	433 mm x 340 mm x 44 mm
Weight (kg) (unloaded excluding accessories and packaging)	4.46 kg
Quantity of internal panels	2 x 12 port SC
Maximum fibre count	24F SC or 48F LC
Cable entry	Reversible rear bracket and loose tube conduit interface kit allowing for single or multiple cable entry (up to 4) through 1 entry aperture, ability to retrofit additional cables
Material and colour	1.6 mm mild steel, powder coated charcoal grey
Standard accessories included with each enclosure	4 position adjustable 19" mounting brackets <ul style="list-style-type: none"> <li>• Blank front panels</li> <li>• Internal SC patch panels</li> <li>• Loose tube conduit interface kit</li> <li>• Chain link patchcord guide</li> <li>• Accessory kit (cage nuts and screws, cable gland and adapter, cable strength member anchor, internal cable management clips, cable ties, Velcro)</li> <li>• Installation instructions and wiring documentation</li> </ul>



Direct termination of loose tube cable (24 fibres)



Fusion splicing of loose tube cable (24 fibres)



FRE-1RU-24SC-S2IP Enclosure with all standard accessories

### Ordering Information

PART NUMBER	DESCRIPTION	
SPLCASS-LS-HD-12/24K	Splice Cassette Kit, Lge Stack HD Combs 12/24F	
SPLCASS-LS-HD -24/48K	Splice Cassette Kit, Lge Stack HD Combs 24/48F	
FRE-1RU-STO	1RU Sliding Storage Tray	
FRE-1RUXEAR21	21" 1RU Mounting Ears (Pair)— Suits RU and SU Racks	
FRE-1RUXEAR23	23" 1RU Mounting Ears (Pair)— Suits RU and SU Racks	
FRE-1RUEARREV	1RU Centre Rail Mounting Ears (Pair)	
Full range of additional accessories available including: <ul style="list-style-type: none"> <li>• Pigtaills</li> <li>• Simplex and duplex adapters</li> <li>• Splicing consumables</li> <li>• Termination consumables</li> </ul>		