

## Harsh Environment Wall Enclosures



AFL's range of Ingress Protected Fibre Harsh Environment 'FHE' wall enclosures are proudly designed and assembled in Australia.

This range of enclosures caters for various cable types, including loose tube and tight buffered cables, and are suitable for outdoor or harsh environments where protection, of fibre optic components from moisture and dust is needed.

Enclosure variants are available to suit 'Mid-sheath' or 'Cable Expressing'. This is where one or more fibres are required to pass through an enclosure without cutting and terminating.

### Features and Benefits

- Available in a range of sizes up to 192F
- Patching variants with modular apertures to suit a wide range of flat or angled panels and connector types
- Internal fibre clips for management
- Choice of powder coated steel or 304/316L stainless steel to suit application
- Key lockable for security in the field
- Multiple cable entry arrangement to suit a wide range of applications
- Customisable to suit your application

### Applications

- Fusion splicing of loose tube or tight buffered cables
- Direct termination of tight buffered cables
- Housing fibre optic passive devices
- Building entrance terminals
- Construction or mining sites
- Industrial or roadside harsh environments

### Technical Specifications

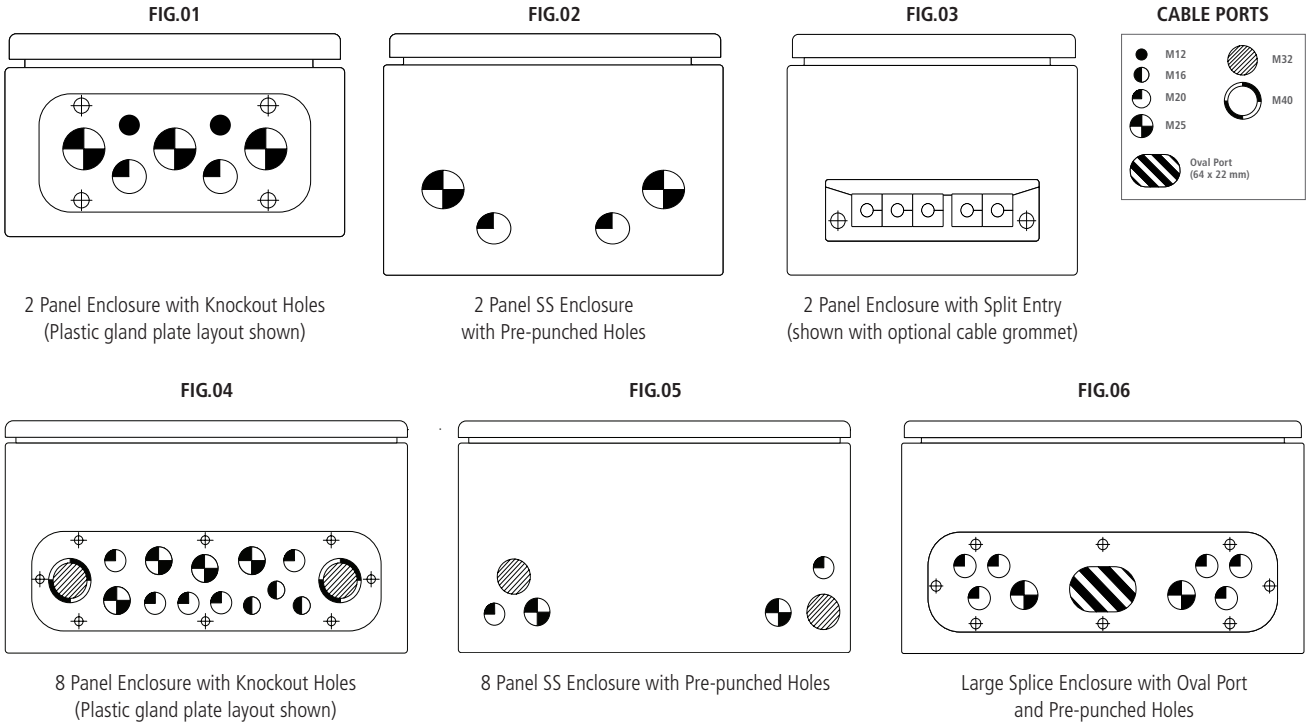
PART NUMBER	FHE-MOD-2PNL	FHE-MOD-2PNL-SS	FHE-MOD-8PNL	FHE-MOD-8PNL-SS
Description	2 Modular Panel Small Wall Enclosure – IP55 RAL7035	2 Modular Panel Small Wall Enclosure – IP66 316SS	8 Modular Panel Large Wall Enclosure – IP55 RAL7035	8 Modular Panel Large Wall Enclosure – IP66 316SS
Dimensions (mm) (W) x (H) x (D/D*) D* = Including Brackets & Lock	200 x 300 x 120/137	200 x 300 x 155/170	380 x 380 x 210/227	380 x 380 x 210/227
Incoming/Outgoing Cable Ports in Base:	<b>(FIG.01)</b> 2 x Ø12 mm knockouts 2 x Ø20 mm knockouts 3 x Ø25 mm knockouts	<b>(FIG.02)</b> 2 x Ø20 mm holes with plugs 2 x Ø25 mm holes with plugs	<b>(FIG.04)</b> 3 x Ø16 mm knockouts 5 x Ø20 mm knockouts 4 x Ø25 mm knockouts 2 x Ø32/40 mm knockouts	<b>(FIG.05)</b> 2 x Ø20 mm holes with plugs 2 x Ø25 mm holes with plugs 2 x Ø32 mm holes with plugs
Material: - Door & Enclosure - Backing Plate Assembly	- Mild Steel, 1.25 & 1.5 mm - Mild Steel, 2.0 mm	- Stainless Steel 316L, 1.5 & 2.0 mm - Mild Steel, 2.0 mm	- Mild Steel, 1.38 & 1.5 mm - Mild Steel, 2.0 mm	- Stainless Steel 316L, 1.5 & 2.0 mm - Mild Steel, 2.0 mm
Wall Mounting Brackets	Zinc Galvanised Mild Steel, 10 mm offset from wall			
Finish/Colour	Powder coated/ RAL7035 (textured)	Brushed 400 grain	Powder coated/ RAL7035 (textured)	Brushed 400 grain
Ingress Protection	IP55	IP66	IP55*	IP66
Max. Fibre Count	24 ST, FC, SC and 48 LC		96 ST, FC, SC and 192 LC	
Max. Modular Internal Panels	2		8	
Max. Splice Cassettes/Trays	4 x 12F (48F total)		8 x 24F (192F total)	
Included Accessories:	1 x 20 mm spiral compression gland, keys, grounding fasteners & stickers, spare 3 mm double bit camlock & key, hook & loop strap, 2 x cable strength member anchors (fitted)			

\*Ingress Protection can be increased to IP66 though the use of a custom gland plate to replace the standard.

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### Gland Plate Diagram

Removable gland plates only available on mild steel enclosure variations. Stainless steel variations supplied standard with punched holes as shown in diagrams below. All standard punched holes are fitted with blanking plugs. Custom punched hole combinations available, please contact AFL to discuss your requirements.

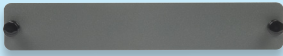









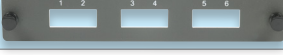



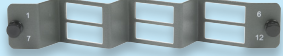








Mid-sheath or "Express" splicing variants are listed below. Contact AFL for more information.

PART NUMBER	DESCRIPTION	INGRESS PROTECTION	BASE VIEW REFERENCE
FHE-SM-SPLT1-SS304	2 Modular Panel Small Wall Enclosure / Split Gland Plate – IP66 304SS	IP66	FIG.03
FHE-SM-SPLT1-SS316	2 Modular Panel Small Wall Enclosure / Split Gland Plate – IP66 316SS		
FHE-LG-SPLICE-OVL	Splice Only Large Wall Enclosure / Oval port – RAL7035	IP66	FIG.06

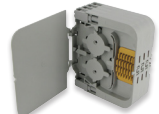





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### Ordering Information

PANELS		
FRE-BLANK	Blank Panel	
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	SC Duplex 3P Panel 1-6HP Flat	
FRE-SCD03H-AL1/6	Duplex 3P Panel 1-6HP Angle left	
FRE-SCD03H-AR1/6	Duplex 3P Panel 1-6HP Angle right	
FRE-SCD06D-FL1/12	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	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	ST/FC 12P Panel 1-12DP Flat	
FRE-ST12D-FL13/24	ST/FC 12P Panel 13-24DP Flat	

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### Optional Accessories

PART NUMBER	DESCRIPTION	
SPLCASS-SSH-HD-6/12K	Splice Cassette Kit, Small Stack HD COMBS 6/12F	 Suits 2 Panel - Small Enclosures Only
SPLCASS-SSH-HD-12/24K	Splice Cassette Kit, Small Stack HD COMBS 12/24F	
SPLCASS-SSH-HD-18/36K	Splice Cassette Kit, Small Stack HD COMBS 18/36F	
SPLCASS-SSH-HD-24/48K	Splice Cassette Kit, Small Stack HD COMBS 24/48F	
SPLCASS-LSH-HD-12/24K	Splice Cassette Kit with HD Comb for up to 24 Splices	 Suits 8 Panel & Large Enclosures Only
SPLCASS-LSH-HD-24/48K	Splice Cassette Kit with HD Combs for up to 48 Splices	
SPLCASS-LSH-HD-36/72K	Splice Cassette Kit with HD Combs for up to 72 Splices	
SPLCASS-LSH-HD-48/96K	Splice Cassette Kit with HD Combs for up to 96 Splices	
SPLCASS-LSH-HD-60/120K	Splice Cassette Kit with HD Combs for up to 120 Splices	
SPLCASS-LSH-HD-72/144K	Splice Cassette Kit with HD Combs for up to 144 Splices	
SPLCASS-LSH-HD-84/168K	Splice Cassette Kit with HD Combs for up to 168 Splices	
SPLCASS-LSH-HD-96/192K	Splice Cassette Kit with HD Combs for up to 192 Splices	
HEY3247	M16 Spiral Compression Gland Suit Cable 2.7 - 8.0 mm (Black Nylon) IP68	
HEY3246	M20 Spiral Compression Gland Suit Cable 6.9 - 11.9 mm (Black Nylon) IP68	
CABGN12	M12 Compression Gland Suit Cable 3 - 6 mm (Black Nylon) IP68	
CABGN16	M16 Compression Gland Suit Cable 5 - 10 mm (Black Nylon) IP68	
CABGN20	M20 Compression Gland Suit Cable 8 - 13mm (Black Nylon) IP68	
CABGN25	M25 Compression Gland Suit Cable 9 - 18 mm (Black Nylon) IP68	
CABGN32	M32 Compression Gland Suit Cable 15 - 24 mm (Black Nylon) IP68	
CABGN40	M40 Compression Gland Suit Cable 19 - 28 mm (Black Nylon) IP68	
CABGN-INS-2	2 x 6 mm Cable Insert for 20 mm Gland	
CABGN-INS-4	4 x 9 mm Cable Insert for 32 mm Gland	
CSM-ANCHOR	Cable Strength Member Anchor Max. 7 mm FRPS	

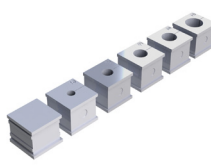
A range of customisable options are available to suit your requirements. Contact AFL for more information.



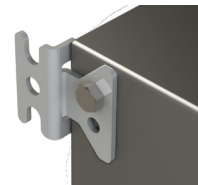
Nickel Plated Brass  
Compression Glands



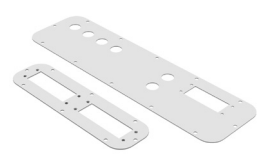
Nylon Plug  
(Standard & Click Style)



Cable Grommets  
for Split Gland Plates



Stainless Steel Mounting  
Brackets



Custom Gland Plate