



## Fibre Optic Dome Enclosures

AFL's Dome-Style Underground Fibre Enclosures are a quick and effective way to join or repair fibre cables in harsh environments such as underground pits or aerial applications. All cable entry and exit ports are sealed and accessed as required.

The enclosures include splice cassettes for fusion splicing, which can be easily accessed without the need for special tooling. They feature a lockable clamp to prevent unauthorised entry and can be direct buried, pole or wall-mounted.

### Features

- Robust, UV and chemical resistant polycarbonate shell for maximum performance in extreme conditions
- Heatshrink cable fixing ensures the IP rating is not compromised
- Oval port for cable expressing, i.e. when a single tube may require breaking out and terminating
- Individual cable entry ports for retro fitting of additional cables
- Expandable cassette stacking system for additional cable splicing
- Optional 12 port internal patching (large dome only, see Figure 1)

### Applications

- Fibre cable fusion splicing in pits, direct buried, aerial or pole-mounting
- Fibre cable joining or repairs
- Fibre cable tap off and expressing

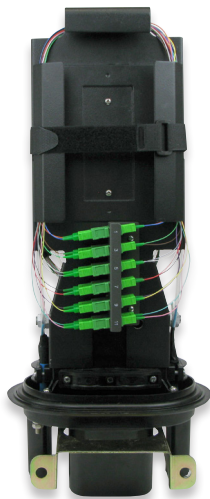


Figure 1

## Fibre Optic Dome Enclosures

### Specifications

Description	Small dome enclosure	Large dome enclosure
Dimensions	300 mm (H) x 140 mm (W) x 130 mm (D)	495 mm (H) x 220 mm (W) x 208 mm (D)
Maximum splices	48	144
Cable size	3 round ports – maximum 16 mm 1 oval port – maximum 25 mm	4 round ports – maximum 20 mm 1 oval port – maximum 35 mm
Internal patching/capacity	No	12F SC/SCA, 24F LCD (optional)
Pressure testing valve	Yes	Yes
Earthing point	Yes	Yes
Wall mounting bracket	Yes	Yes
Pole mounting bracket	Yes (max. pole diameter 160 mm)	Yes (max. pole diameter 175 mm)
IP rating	IP68	IP68
Pole mounting kit (Max. dia.)	Yes (160mm)	Yes (175mm)
Material	UV resistant and flame retardant Polycarbonate external housing	UV resistant and flame retardant Polycarbonate external housing, powder-coated mild steel internal mounting bracket
Temperature range	-40°C to +80°C	-40°C to +80°C
Lockable	Yes	Yes




1. Small dome enclosures are supplied with 4 cassettes for splicing a maximum of 48 splices
2. Large dome enclosures are supplied with 1 to 6 cassettes depending on the amount of splices required. Each cassette has a maximum of 24 splices

### Standard Accessories

<p><b>SMALL ENCLOSURE</b></p>	<p>1 x earthing device, 3 x round heatshrink, 1 x oval heatshrink, 48 x splice protectors, 16 x cable ties, 1 x sheet of protection foil, 1 x length of sandpaper, 1 x branching clip for the oval port, 1 x roll of insulation tape, 1 x lock nut wrench, 1 x pole mounting kit, 1 x internal fibre management bracket, 2 m of clear tube, 1 x desiccant, installation instructions.</p>	
<p><b>LARGE ENCLOSURE</b></p>	<p>1 x pressure valve, 1 x earthing device, 1 x earth wire, 4 x round heatshrink, 1 x oval heatshrink, 1 x sheet of protection foil, 1 x length of sandpaper, 1 x branching clip for the oval port, 1 x roll of insulation tape, 1 x lock nut wrench, 1 x pole mounting clamp, 1 x internal fibre management bracket, 5 m of clear tube, 1 x velcro buckle tie, 1 x velcro strap, 1 x desiccant, installation instructions.</p> <p>Note: the number of cassettes, splice protectors and cable ties supplied will depend on which enclosure is ordered.</p>	

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### Optional Accessories

PART NUMBER	DESCRIPTION	
SPLCASS-LSH-HD-12/24K SPLCASS-LSH-HD-24/38K SPLCASS-LSH-HD-36/72K SPLCASS-LSH-HD-48/96K SPLCASS-LSH-HD-60/120K	Additional splice cassette kit for large dome enclosure. Each cassette supplied with: 1 x HD splice protector comb, 1 x cassette lid (1 per stack), 24 x heatshrink splice protectors, 4 x cable ties, 1 x instruction sheet, mounting screws, 1-24 labels	
SPLPROT-HS-3/45 SPLPROT-HS-2.5/62	<ul style="list-style-type: none"> <li>Spare splice protectors for the small dome enclosure (12 pk)</li> <li>Spare splice protectors for the large dome enclosure (12 pk)</li> </ul>	
FSE-SMD-OVL-HS FSE-LGD-RND-HS FSE-LGD-OVL-HS	<ul style="list-style-type: none"> <li>Replacement oval glue lined heatshrink tube for small enclosure</li> <li>Replacement round glue lined heatshrink tube for large enclosure</li> <li>Replacement oval glue lined heatshrink tube for large enclosure</li> </ul> <p>All Heatshrink kits come complete with protective foil and sandpaper. Kits with oval tubes contain a branching clip.</p>	

### Ordering Information

