Technical Data Sheet

Compact Fibre Node (CFN) Connectorised

27 Port

Technical Description

The CFN connectorised fibre splice closure range offers a closure for a wide range of FTTx applications for both P2P and P2MP topologies.

The CFN 27 Port Connectorised closure is supplied with a UV stable Polypropylene base. With a base configuration of 26 round ports and 1 oval port the CFN accommodates a cable diameter range of 1.7 – 16.5mm when using Cablelok mechanical seals.

The connectorised closure uses the HellermannTyton IR Fibre Management System (FMS) fitted with the connectorised tray(s) and SE or SC-B splice trays.

The connectorised tray manages a maximum of 6 LC Quad or SC Duplex adaptors, a maximum of 4 PLC splitters and 2 3A or ANT splices.

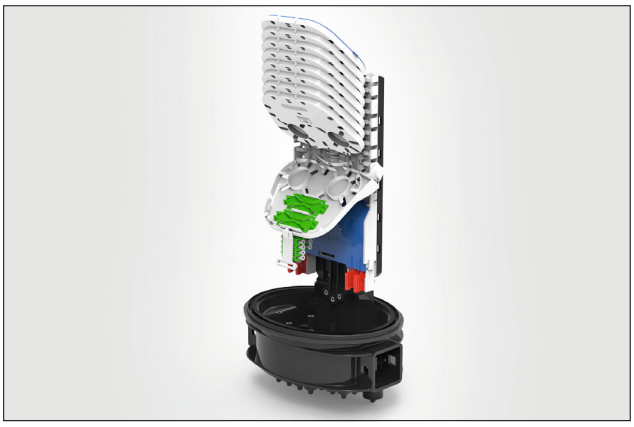
The position of the FMS allows unrestricted access to the cable entry ports, each of which has the option of integrated cable anchoring. The loop storage basket is situated directly above the oval cable port enabling efficient routing to it and the fibre splice trays via the modular IR FMS. The splice trays and the fibre optic routing modules are white in colour making it easy to clearly identify the individual fibre colours as they are routed through the positive fibre management system.

The fibre entry block has dedicated PLC splitter accommodation for a maximum of 2 x 250µm bare end PLC splitters, fibre management for fibre direction changes and storage of excess fibre. Fibre slot retaining blocks guide the fibre elements into the IR system, the foam pad on the retainer is partially cut through to accommodate a range of fibre counts.

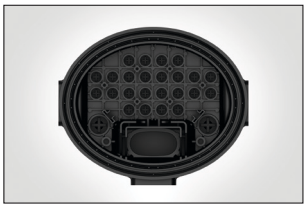
All IR system cover parts are coloured blue identifying them as removable parts allowing access to the fibre. The fibre slot retaining clips are coloured red to aid in identification if they are dropped.

Features and benefits

- Maximum of 24 LC or SC connections
- Pre-connectorised splitter tray manages up to 4 PLC splitters
- Maximum splice capacity (based on 1 connectorised tray / closure)
  - Small 52 3A splices
  - Medium 196 3A splices
- 26 round and 1 oval port
- Positive fibre management to ensure consistent 15mm bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional routing
- Additional off tray splitter accommodation (BE only)
- Cablelok compatible for all port sizes
- Quick release cover
- Integrated closure mounting points for Mobra, pole and facade fixing
- Optional pressure release valve/cable location/toning point



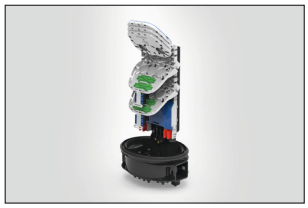
CFN M-Length with 8 SE splice trays and 1 LC Connectorised Tray.



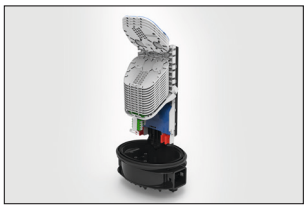
View of 27 Port Base.

CFN 27 Port M-Length Closure with lid.

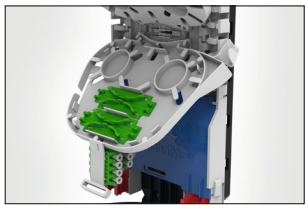
CFN S-Length with 2 SE splice trays and 1 LC Connectorised Tray.



CFN M-Length with 3 SE splice trays and 2 SC Connectorised Trays.



CFN M-Length with 16 SC-B splice trays and 1 LC Connectorised Tray.



View of Connectorised Tray with LC connections.

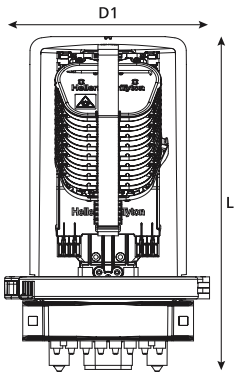
		Tray Quantities		
Closure Length		**S-Length**	**M-Length**	
Connector Type		**LC**	**LC**	**SC**
Connectorised Tray		1	1	2
Splice Tray Type	**SE - Single Element**	2	8	3
	SC - Single Circuit	4	16	6

		S-Length	M-Length
Dimensions (mm)	**Width D1**	250	
	Width D2	180	
	Length L	335	410
Port Count		27	

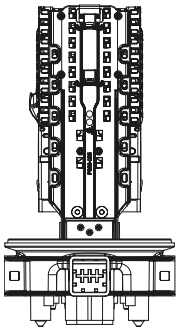
Technical Data Sheet

Technical Diagrams

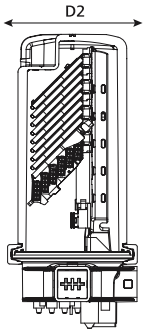
M-Length with SE Trays and 1 x LC Connectorised Trays



Front view with 1 x LC Connectorised Tray

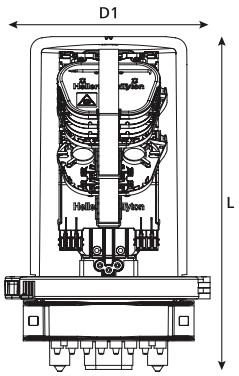


Rear view with 1 x LC Connectorised Tray

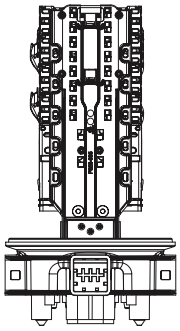


Side view with 1 x LC Connectorised Tray

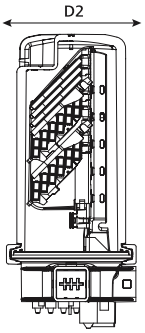
M-Length with SE Trays and 2 x SC Connectorised Trays



Front view with 2 x SC Connectorised Trays

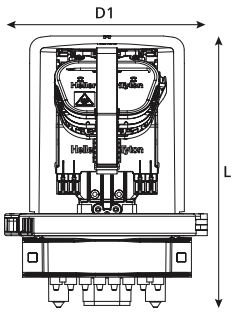


Rear view with 2 x SC Connectorised Trays

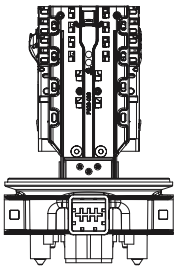


Side view with 2 x SC Connectorised Trays

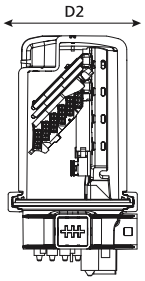
S-Length with SE Trays and 1 x LC Connectorised Trays



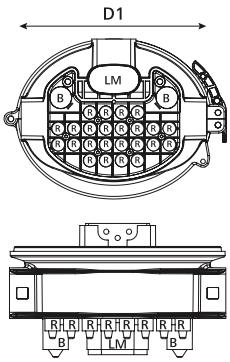
Front view with 1 x LC Connectorised Tray



Rear view with 1 x LC Connectorised Tray



Side view with 1 x LC Connectorised Tray



27 Base Port Diagram

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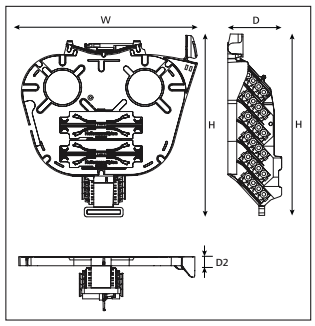
Further information at **www.htdata.co.uk**

Connectorised Tray

The CFN Connectorised tray is manufactured from ABS and finished to a high specification to eliminate the risk of snagging or microbends. All retaining tabs on the tray have radius edges and rounded corners where fibre may pass. The connector position is on the underside of the tray allowing the PLC outputs to be routed off the tray via the FMS ensuring positive fibre management is maintained. The overall dimensions of the tray is 139 x 144 x 43mm (W x H x D). The CFN Connectorised tray accepts a wide range of PLC/splice and splice only inserts and the maximum splice capacity of the tray is 4 double stacked heatshrink (3A) splice protectors up to 60mm long when using the PLC/3A insert.

Connectorised Tray



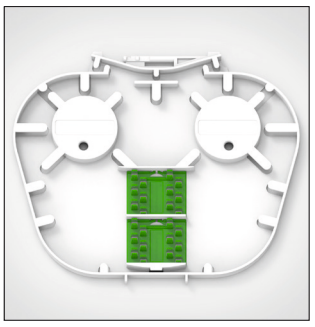
Technical diagram for Connectorised Tray

Features and Benefits:

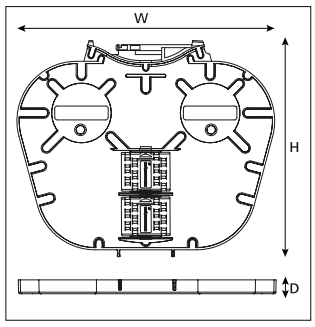
- Maximum 24 LC or 12 SC connections
- 2 fibre entry points
- 2 mounting positions for plc/splice inserts
- Maximum splice capacity
  - P2P – 24 fibres
  - P2MP – 4 fibres

Compact SE-IR Trays

The Integrated Routing (IR) single element tray is manufactured from ABS and finished to a high specification to eliminate the risk of snagging or microbends. All retaining tabs on the tray have radius edges and rounded corners where fibre may pass. The overall dimensions of the tray are 30 x 109 x 7mm (W x H x D). The IR single element tray accepts a wide range of splice protector inserts and the maximum splice capacity of the tray is based on 24 double stacked heatshrink (3A) splice protectors up to 60mm long.



Compact SE-IR Trays



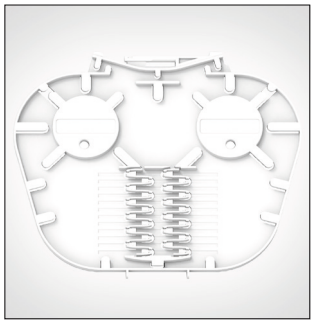
Technical diagram for SE-IR

Features and Benefits:

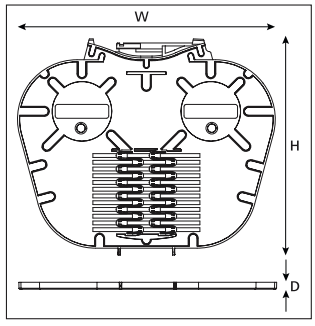
- Positive fibre management - minimum bend radius 15mm
- 2 fibre entry ports
- 2 mounting positions for splice inserts
- Maximum splice capacity of 24 fibres

Compact SC-IR Trays

The Integrated Routing (IR) single circuit tray is manufactured from ABS and finished to a high specification to eliminate the risk of snagging or microbends. All retaining tabs on the tray have radius edges and rounded corners where fibre may pass. The overall dimensions of the tray are 30 x 109 x 3.5mm (W x H x D). The IR single circuit tray is available in a 3A or ANT splice version.



Compact SC-B Trays



Technical diagram for SE-IR

Features and Benefits:

- Positive fibre management - minimum bend radius 15mm
- 2 fibre entry ports
- 2 mounting positions for splice inserts
- Maximum splice capacity of 12 fibre

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