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Introduction



A range of fibre enclosures and wall boxes used for the protection and organisation of fibre optic splices in street cabinets and multi-dwelling unit (MDU) style environments.

The Integrated Routing Fibre Enclosures are available in two formats. A dual compartment enclosure with separate lockable carrier and landlord sides designed for use in MDU's and a single twist lock enclosure designed for use in locked street cabinets.

The dual compartment enclosure can accommodate a maximum of 48 LC Duplex or SC Simplex connectors (up to 96 fibres). The single enclosure can accommodate up to a maximum of 144 fibre splices.

The CPU (Customer Premises Unit) offers a 2 or 4 cable entry point option and can accommodate up to 24 single fibre splices.

The BFP (Building Flexibility Point) offers top and bottom cable entry points and the closure can accommodate up to 96 single fibre splices and has a fibre storage area for the storage of fibre loops.

Features and Benefits

- A range of 2 IR Fibre Enclosures and 2 Wall Boxes ideal for the protection and organisation of exposed fibres
- Top and bottom cable entry points on all closures
- Fibre storage capacity in all closures
- 48 LC Duplex or SC Simplex connector options offering up to 96 fibre splices (dual compartment IR enclosure)
- Dual lockable compartments with different key options available (dual compartment IR enclosure)
- Accommodates up to a maximum of 144 single fibre splices (single compartment IR enclosure)
- Fibre management system allows fibre organisation to be configured by the installer
- IR enclosures finished in a white powder coating to allow for easy fibre identification
- BFP closure fitted with lockable doors.
- All closures fitted with hinged or removable doors/covers to allow for ease of access



Integrated Routing Connectorised Fibre Enclosure

Features and Benefits

- Accommodates 48 LC duplex or SC simplex connectors (up to 96 fibres)
- Connectorisation on user side
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre management system and storage area
- Accommodates both SC-IR and SE-IR trays
- Removable splice tray aids installation of primary fibre
- Separate lockable network operator/user compartments



Open IR Connectorised Enclosure



Closed IR Connectorised Enclosure

Technical Description

The Integrated Routing (IR) Fibre Enclosure is manufactured from white powder coated mild steel with top and lower cable entry points allowing access for a maximum of 4 cables with a maximum diameter of 20mm. The design of the closure provides support for up to 112 5mm blown fibre tubes when utilising both the top and bottom cable entry points. The fibre management system allows the installer to organise and configure the fibre prior to routing it on to the trays. The closure has separate lockable network operator and user compartments. The network operator compartment accommodates a maximum of 24 SC-IR or 12 IR-SE trays (or a combination of SE and SC trays) which are fitted on to the removable splice tray door.

The separation panel between the compartments allows for the connection of fibre from the network operator compartment to the user compartment using 48 LC duplex or SC simplex fibre connectors (up to 96 fibres). The modular design of the trays and Fibre Optic Routing Module allow for the trays to be easily clipped in to place. The system allows for easy routing of fibre into the trays and the trays and Fibre Optic Routing Module are white which makes it easy to see the colour of the fibre elements as they are routed through the positive fibre management system. Fibre slot retaining block guides fibre elements into the IR system, the foam pad on the retainer is partially cut through to accommodate a range of fibre counts, and the plug is keyed so that it can only be inserted in one direction.

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

Technical Data Table

Article-No.	Type	Width W (mm)	Depth D (mm)	Height H (mm)	Tray Type	Tray Quantity	Splice Protector Type
857-00825	ENIR-BCT-24SC	440	120	370	IR SC	24	3A
857-00824	ENIR-BCT-12SE	440	120	370	IR SE	12	3A

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- Fibre Management System
- 12 IR-SE or 24 SC-IR Trays
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Tray Lid
- Keys
- Transportation Tubing
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
 - White Marker 1 – 33
- Tis-Wipes
- Desiccant



Integrated Routing Fibre Enclosure

Features and Benefits

- Maximum 144 fibre splice capacity
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre management system and storage area
- Accommodates both SC-IR and SE-IR trays
- Fold out removable splice tray area for ease of access
- Twist lock compartment
- Cable over length can be looped around enclosure perimeter on spool fixtures
- Designed primarily for installation into external street cabinets



Open Integrated Routing Fibre Enclosure



Closed Integrated Routing Fibre Enclosure

Technical Description

The Integrated Routing (IR) Fibre Enclosure is manufactured from white powder coated mild steel with top and bottom cable entry points allowing access for a maximum of 4 cables, each with a maximum diameter of 20mm. The enclosure is fitted with a twist lock and can accommodate a maximum of 24 SC-IR or 12 SE-A trays (or a combination of SE and SC trays) which are fitted on to the removable splice tray door. The design of the enclosure provides support for up to 112 5mm blown fibre tubes when utilising both the top and bottom entry points. The fibre management system allows the fibre to be organised and configured prior to routing it on to the trays.

The modular design of the trays and Fibre Optic Routing Module allow for the trays to be easily clipped in to place. The system allows for easy routing of fibre into the trays and the trays and Fibre Optic Routing Module are white which makes it easy to see the colour of the fibre elements as they are routed through the positive fibre management system. The fibre slot retaining block guides 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 plates are coloured blue identifying them as removable parts allowing access to the fibre, the fibre slot retaining block and tray retaining clips are coloured red to aid in identification if they are dropped.

Technical Data Table

Article-No.	Type	Width W (mm)	Depth D (mm)	Height H (mm)	Tray Type	Tray Quantity	Splice Protector Type
857-00823	ENIR-AXX-24SC	200	120	490	IR SC	24	3A
857-00822	ENIR-AXX-12SE	200	120	490	IR SE	12	3A

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- Fibre Management System
- 12 IR-SE or 24 SC-IR Trays
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Tray Lid
- Keys
- Transportation Tubing
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
 - White Marker 1 – 33
- Tis-Wipes
- Desiccant



HT Integrated Routing (HTIR)

Features and Benefits

- Maximum 432 fibre splice capacity
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage area
- Bi-directional fibre routing
- Accommodates both SC-IR and SE-IR trays
- Modular design allows for easy addition of trays
- Splitter accommodation
- System supplied unloaded (without trays) to allow for customisation and future expansion



Integrated Routing Module



Integrated Routing Module with Open Trays

Technical Description

The HTIR system has been designed for mounting in cabinets and wall boxes. The system is available in six different lengths, the longest of which can accommodate 72 SC-IR or 36 SE-IR trays (not included). The modular design of the system allows for additional trays to be easily clipped in to place with dedicated locations for the SE-IR or SC-IR trays (or a combination of SE and SC trays). The system allows for easy routing of fibre into the trays and the fibre storage unit has a large capacity to allow for the storage of spare fibre.

The trays and the Fibre Optic Routing Modules are white which makes it easy to see the colour of the fibre elements as they are routed through the positive fibre management system.

The fibre slot retaining block guides fibre elements into the IR system, the foam pad retainer is partially cut through to accommodate a range of fibre counts.

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

Technical Data Table

Article-No.	Type	Dimensions			Tray Quantity	Fibre Capacity
		Width D1 (mm)	Depth D (mm)	Length L (mm)		
857-00600	HTIR-36-XX	186	120	502	36(SE) or 72(SC)	432(SE) or 288(SC)
857-00599	HTIR-30-XX	186	120	439	30(SE) or 60(SC)	360(SE) or 240(SC)
857-00598	HTIR-24-XX	186	120	376	24(SE) or 48(SC)	288(SE) or 192(SC)
857-00597	HTIR-18-XX	186	120	313	18(SE) or 36(SC)	216(SE) or 144(SC)
857-00596	HTIR-12-XX	186	120	250	12(SE) or 24(SC)	144(SE) or 96(SC)
857-00595	HTIR-06-XX	186	120	187	6(SE) or 12(SC)	72(SE) or 48(SC)

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Tray Lid
- Tray Cover Plate
- Tray Access System



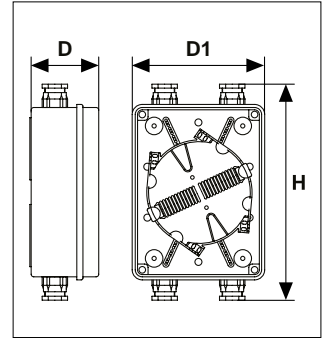
CPU - Customer Premise Unit

Features and Benefits

- Maximum splice capacity of 24 fibres
- 2 or 4 cable entry point options available
- 2 piece box allows easy access to fibre
- Cable loop storage capacity
- IP56 rated
- Fibre manifold breakout mounting points



Customer Premise Unit



Customer Premise Unit

Technical Description

The Customer Premise Unit has been designed for the organisation and protection of fibre optic splices in internal and sheltered environments. The 2 piece PVC box is available with either 2 or 4 cable entry points with a total of 4 entry points and cable gland size options to choose from. Each box is fitted with a single Hellafos splice tray which is mounted on a cable loop storage spool and can achieve a maximum 24 fibre splice capacity when using a 3A heatshrink splice protector.

Technical Data Table

Article-No.	Type	Dimensions			Number of Cable Entries	Position of Cable Entries	Type of Gland	Cable Ø min	Cable Ø max
		Height H (mm)	Width D1 (mm)	Depth D (mm)					
857-00349	CPU3862	195	145	80	2	2 on same side	PG16	10	14
857-00350	CPU3863	195	145	80	4	2 on each side	PG16, PG11	4	14
857-00351	CPU3864	195	145	80	4	2 on each side	PG9, PG16	4	14
857-00352	CPU3865	195	145	80	2	1 on each side	PG16, PG9	4	14

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- Customer Premise Unit Box
- Hellafos Tray
- Cable Loop Storage Spool
- Cable Glands
- Transportation Tubing
- Markers
 - Green 1 – 12
 - Red 1 – 12



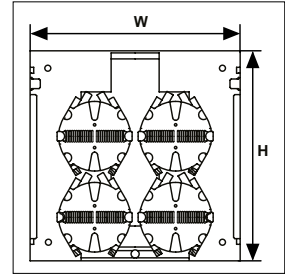
BFP - Building Flexibility Point

Features and Benefits

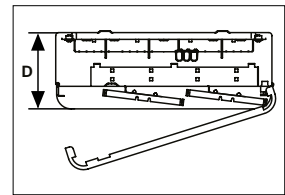
- Maximum 96 fibre splice capacity
- Cable entry points at the top and bottom
- Lockable side hinged door
- Cable strength member anchor points
- Fibre storage area



Building Flexibility Point



Building Flexibility Point



Building Flexibility Point

Technical Description

The Building Flexibility Point (BFP) box is manufactured from epoxy coated steel and is designed for the protection of fibre optic cable splices within internal environments. It contains 4 Hellafos splice trays which are mounted on the single hinged splice tray mounting plate. Each of the trays can achieve a maximum 24 splice capacity when using 3A heatshrink splices. The box is fitted with a lockable single hinged door, a back plate with cable strength member anchor points and the fibre storage area is positioned behind the hinged splice tray mounting plate. A range of glands and bulkhead plates for cable entry are detailed below and must be ordered separately.

Technical Data Table

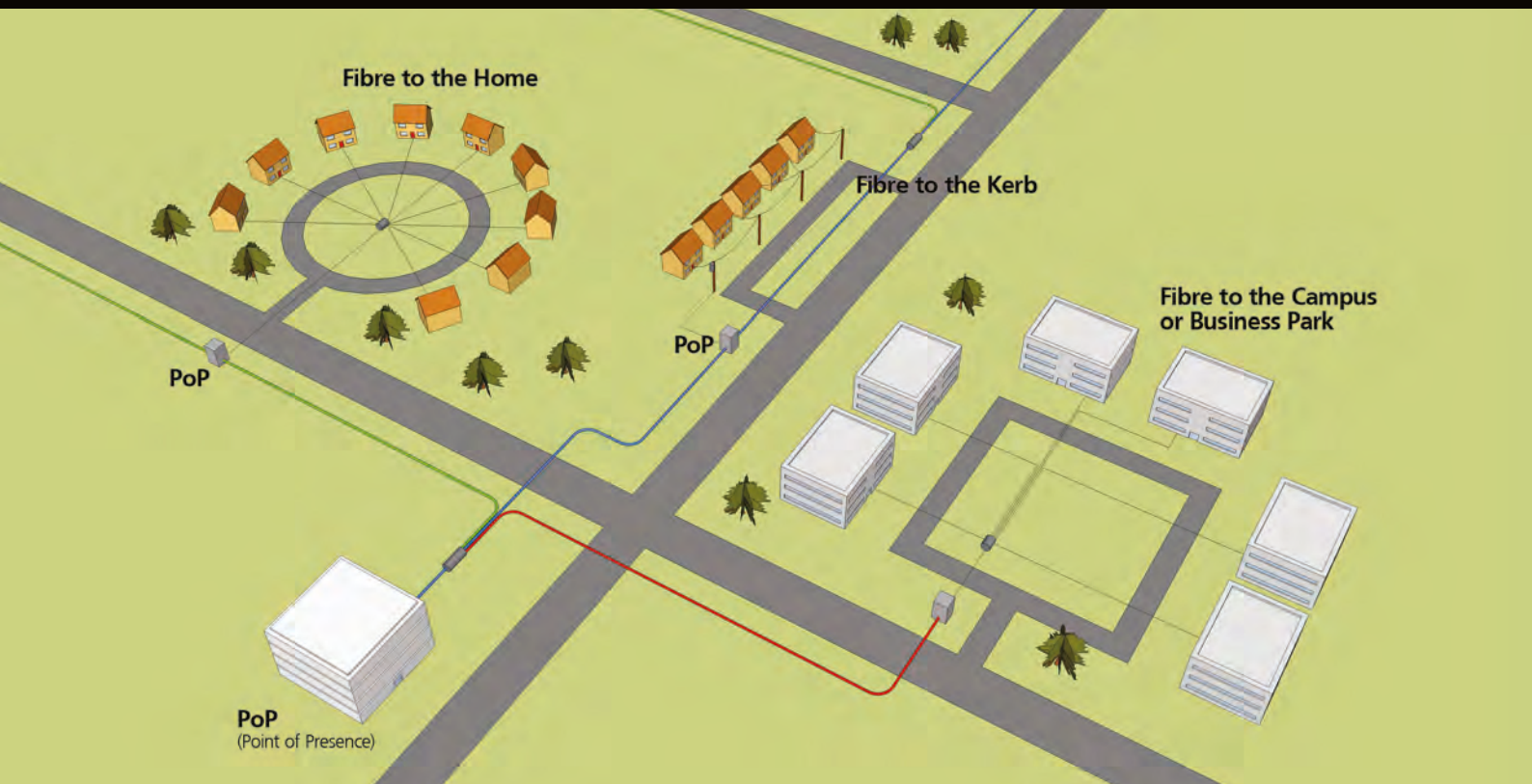
Article-No.	Type	Dimensions			Type of Gland	Cable Ø min	Cable Ø max
		Height H (mm)	Width W (mm)	Depth D (mm)			
857-00009	BFP1019C	350	350	128	-	-	-
857-00012	BFP1022C	-	-	-	Blanking Plate	-	-
857-00013	BFP1024	-	-	-	PG16 x 2, PG16 Blanking Plug x 2	10	14
857-00018	BFP3643	-	-	-	M25 x 2, M25 Blanking Plug x 2	13	20.2

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- Building Flexibility Point Box
- Hellafos Trays (4)
- Transportation Tubing
- Tubefix - Tube to tray securing blocks
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
- Isopropyl Alcohol Wipes

HellermannTyton FTTX Solutions



FDN – Fibre Distribution Node



Splice Capacity – Up to 144 fibres

- 144 Fibre splice capacity
- Ideal for FTTH network applications, especially last mile/kilometre
- Provides protection and distribution of fibre optic cables
- Cablelok™ ready
- Quick release cover with 'O' ring clamp
- 58 round ports and 1 oval port (for loop through cable)
- Fitted with pressure release valve
- Industry leading 52 customer drop port capability
- Conforms to BS EN 50411-2-4-2006

UFC – Universal Fibre Closure



Splice Capacity – Up to 864 fibres

- 864 Fibre splice capacity
- High Fibre/port count suited to all FTTX and trunk applications
- Provides protection and distribution of fibre optic cables
- Cablelok™ ready
- Quick release cover with 'O' ring clamp
- 28 round ports and 2 oval ports (for loop through cable)
- Fitted with pressure release valve
- Conforms to BS EN 50411-2-4-2006



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