

FDN Closures

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Introduction

The FDN is a medium to large oval shaped cap ended closure with a high number of small ports for use in underground, direct burial or aerial installations. It is available with Integrated Routing (IR) or tubing fibre management systems.

The high drop port count means that it is particularly suited for use in FTTH access networks. The base configuration of the FDN has 58 round ports and an oval port for loop through applications. The oval shape ensures that the FDN can be used where space is restricted.

The closure cover, which can be fitted with a pressure valve, is available in 4 different lengths depending on the maximum number of trays required. The cover is environmentally sealed to the base using an 'O' ring and quick release clamp. The cables are sealed using Cablelok mechanical seal or heatshrink sleeving (with the exception of the R ports).

Easy Tray Addition

Additional trays can be easily clipped onto the back plane

Dedicated location slots for single element and single circuit trays so that they cannot be incorrectly located

Tray Support Mechanism

A clip on the strap attaches onto the underside of the tray above to hold the stack out of the way whilst the lower tray is being worked on

Quality Mouldings

No sharp corners

All fibre facing edges are radiused to prevent snagging and micro-bending

Fibre Retention

Incoming fibre elements are held in place with a fibre retaining block

Dense foam secures the fibres and can be sized to accommodate different cable diameters

Colour Coded Parts

Components are colour coded to make the closure easy to work with in the field

Clear Entry Area

Uncluttered space between the closure base and entry module gives easy access

Metal components are stainless steel or anodised aluminium ensuring there will be no corrosion over time

On/Off Fibre Routing

Fibre is actively managed between the tray and the back plane to prevent snagging and microbending

Left and right entry points onto each tray

Bi-directional Fibre Routing

The back plane enables fibre to be routed both up and down for tray to tray applications (eg: when using splitters)

Splitter Accommodation

Optical splitters can be accommodated in the single element tray up to maximum dimensions of 70x20x6mm

Positive Fibre Management

Both splice tray and back plane designs incorporate positive fibre management ensuring a minimum 30mm bend radius is always maintained

Fibre Storage

The Fibre Storage Unit has a large capacity for storing spare fibre

Fibre can be managed and routed to either side of the back plane module

Splice Capacity

Different splice bridges mean a range of splice types (up to 60mm in length) can be accepted on the trays

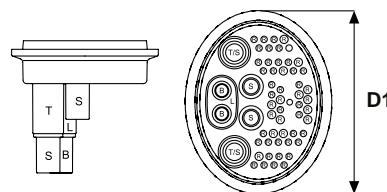
Two splice bridges per SE tray with up to 12 splices per bridge mean a maximum of 24 splices per SE tray can be achieved

Features and Benefits

- Ideal for FTTH network applications, especially the last mile/kilometre
- 58 round ports and 1 oval port (for loop through cable)
- Suitable for blown fibre/cable applications
- Accommodates up to 36 single element or 72 single circuit trays or a combination of both
- Can be configured with a fibre loop storage basket for loop through applications
- Available in 4 different lengths
- Cablelok ready
- Oval shape for use where space is limited
- Quick release cover clamp
- Accessory wall mounting bracket and stainless steel wall mounting strap kits available
- For use in underground, direct burial and aerial applications



Port	Number of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
L	1	2 x 5.5 – 20.0	2 x 10.0 – 24.0
T	2	15.5 – 29.0	8.0 – 35.0
S	4	5.0 – 20.0	12.0 – 26.0
B	2	4.8 – 16.5	6.0 – 19.0
R	52	1.7 – 9.5	-



FDN Port Base Configuration

Cover Reference	Closure Width (mm) D1 x D2	Closure Length (mm) L	Single Element (SE) Tray		Single Circuit (SC) Tray		
			Single Tray	Max Splice Capacity	Single Tray	Max Splice Capacity	
						SC	SC-B
A	222 X 312	455	*6(1)	72	12(1)	48	144
AB	222 X 312	561	12(2)	144	24(2)	96	288
B	222 X 312	663	24(4)	288	48(4)	192	576
C	222 X 312	789	36(6)	432	72(6)	288	864

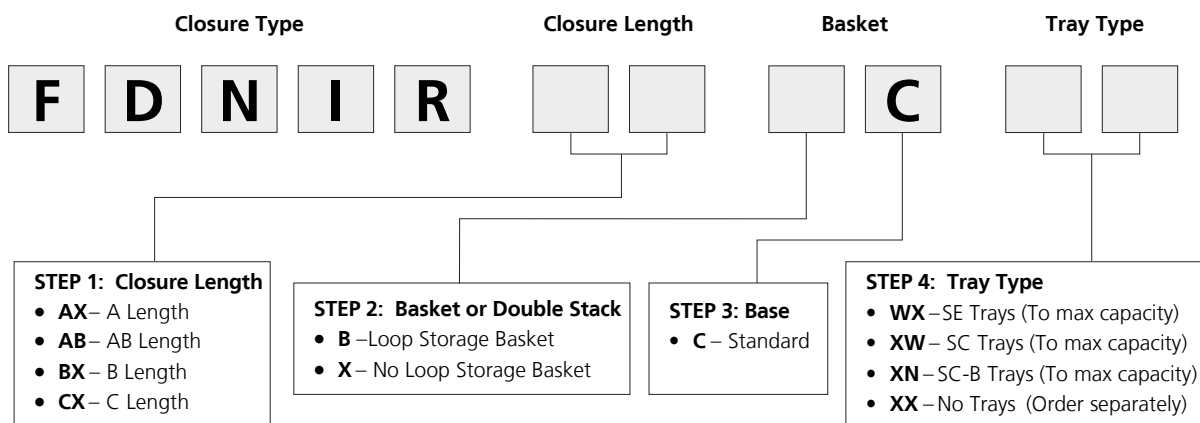
*Single tray count (tray pack/ordering multiple) SE – 12 standard splices per tray
 SC – 4 standard splices per tray
 SC-B – 12 standard splices per tray

HellermannTyton closures with Integrated Routing are supplied in standard configurations, with fibre management and splice trays included, ready to use. If a standard configuration is not suitable, the closures can be supplied with no splice trays which can then be ordered separately. Port seals (Cablelok and heatshrink) and accessories (e.g. mounting brackets) must be ordered separately

Part Number Identification

Identifying the correct part number is a simple process:

- STEP 1:** Choose the appropriate closure length.
- STEP 2:** Decide if a loop storage basket is required or a double splice tray stack.
- STEP 3:** Decide if you require a Cablelok or heatshrink base.
- STEP 4:** Are single element (SE) or single circuit (SC) trays required? The closure will be supplied with the maximum number of trays chosen for the closure length (as shown in the catalogue). SE trays are supplied with 2 x 3A splice bridges (12 splice capacity). SC trays accommodate up to 12 x 3A splice protectors. If a combination of SE and SC trays is needed, less than the maximum is required or alternative splice protectors are to be used, then an unloaded closure should be ordered with separate splice trays. Please refer to Chapter 12 for additional types of trays and splice protectors.





FDN Integrated Routing C Length with Basket

Features and Benefits

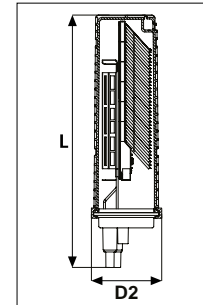
- Maximum 432 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



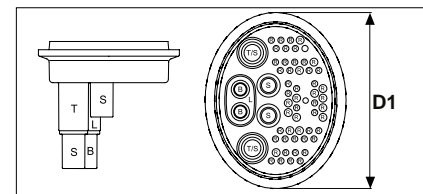
FDN IR C-Length Closure with Basket



FDN C-Length Closure Cover



FDN IR C-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) C Length closure with basket is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink. The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 36 IR SE trays or 72 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays and the basket provides storage space for the storage of fibre loops. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00509	FDNIR-CXBCWX	312	222	789	Cablelok™, Heatshrink	IR SE	36	3A
857-00510	FDNIR-CXBCXW	312	222	789	Cablelok™, Heatshrink	IR SC	72	3A
857-00508	FDNIR-CXBCXX	312	222	789	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- C-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseble Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
 - White Marker 1 – 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing C Length without Basket

Features and Benefits

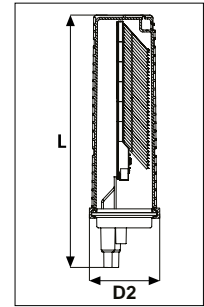
- Maximum 432 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



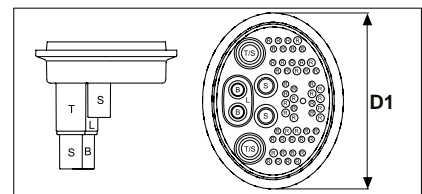
FDN IR C-Length Closure without Basket



FDN C-Length Closure Cover



FDN IR C-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) C Length closure is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 36 IR SE trays or 72 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00506	FDNIR-CXXCW	312	222	789	Cablelok™, Heatshrink	IR SE	36	3A
857-00507	FDNIR-CXXCXW	312	222	789	Cablelok™, Heatshrink	IR SC	72	3A
857-00505	FDNIR-CXXCXX	312	222	789	Cablelok™, Heatshrink	-	-	-

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 39

Content of Set/Kit

- FDN IR Base
- C-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 48
 - Green Marker 1 - 48
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing B Length with Basket

Features and Benefits

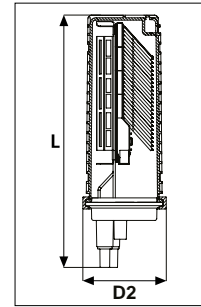
- Maximum 288 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



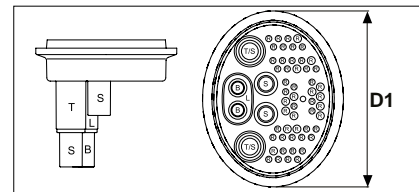
FDN IR B-Length Closure with Basket



FDN B-Length Closure Cover



FDN IR B-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) B Length closure with basket is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink. The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 24 IR SE trays or 48 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays and the basket provides storage space for the storage of fibre loops. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00503	FDNIR-BXBCWX	312	222	663	Cablelok™, Heatshrink	IR SE	24	3A
857-00504	FDNIR-BXBCXW	312	222	663	Cablelok™, Heatshrink	IR SC	48	3A
857-00502	FDNIR-BXBCXX	312	222	663	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- B-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 48
 - Green Marker 1 - 48
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing B Length without Basket

Features and Benefits

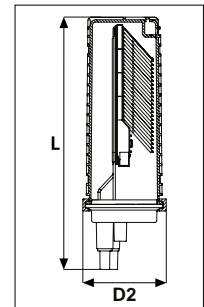
- Maximum 288 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



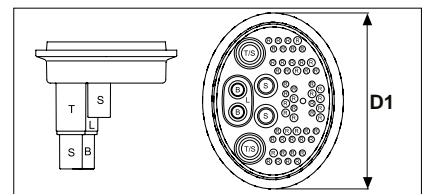
FDN IR B-Length Closure without Basket



FDN B-Length Closure Cover



FDN IR B-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) B Length closure is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 24 IR SE trays or 48 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00500	FDNIR-BXXCWX	312	222	663	Cablelok™, Heatshrink	IR SE	24	3A
857-00501	FDNIR-BXXCXW	312	222	663	Cablelok™, Heatshrink	IR SC	48	3A
857-00499	FDNIR-BXXCXX	312	222	663	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- B-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 48
 - Green Marker 1 - 48
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing AB Length with Basket

Features and Benefits

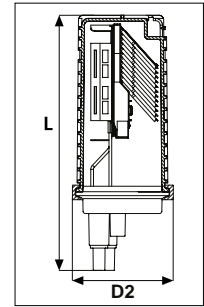
- Maximum 144 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



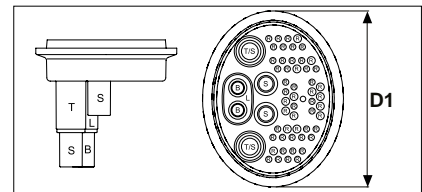
FDN IR AB-Length Closure with Basket



FDN AB-Length Closure Cover



FDN IR AB-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) AB Length closure with basket is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink. The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 12 IR SE trays or 24 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays and the basket provides storage space for the storage of fibre loops. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00497	FDNIR-ABBCWX	312	222	561	Cablelok™, Heatshrink	IR SE	12	3A
857-00498	FDNIR-ABBCXW	312	222	561	Cablelok™, Heatshrink	IR SC	24	3A
857-00496	FDNIR-ABBCXX	312	222	561	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reusable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 25
 - Green Marker 1 - 25
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing AB Length without Basket

Features and Benefits

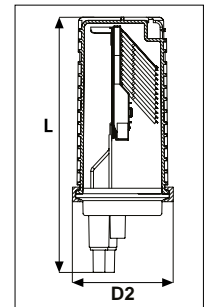
- Maximum 144 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



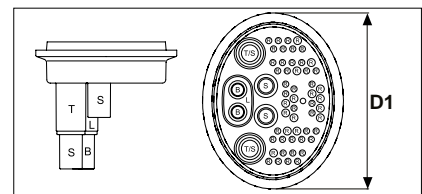
FDN IR AB-Length Closure without Basket



FDN AB-Length Closure Cover



FDN IR AB-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) AB Length closure is available Cablelok ready. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 12 IR SE trays or 24 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays. 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 guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00494	FDNIR-ABXCWX	312	222	561	Cablelok™, Heatshrink	IR SE	12	3A
857-00495	FDNIR-ABXCXW	312	222	561	Cablelok™, Heatshrink	IR SC	24	3A
857-00493	FDNIR-ABXCXX	312	222	561	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 25
 - Green Marker 1 - 25
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing A Length with Basket

Features and Benefits

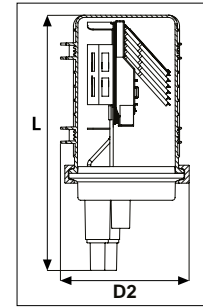
- Maximum 72 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



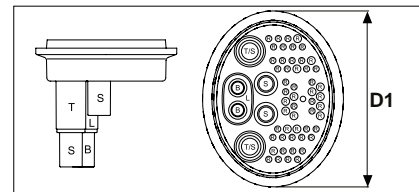
FDN IR A-Length Closure with Basket



FDN A-Length Closure Cover



FDN IR A-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) A Length closure with basket is available with a Cablelok. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink. The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 6 IR SE trays or 12 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays and the basket provides storage space for the storage of fibre loops. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00491	FDNIR-AXBCWX	312	222	455	Cablelok™, Heatshrink	IR SE	6	3A
857-00492	FDNIR-AXBCXW	312	222	455	Cablelok™, Heatshrink	IR SC	12	3A
857-00490	FDNIR-AXBCXX	312	222	455	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN IR Base
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 12
 - Green Marker 1 - 12
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN Integrated Routing A Length without Basket

Features and Benefits

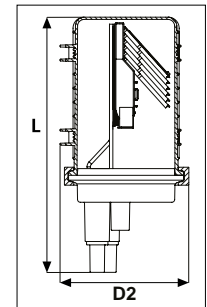
- Maximum 72 fibre splice capacity
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Bi-directional fibre routing
- Accommodates both SC and SE trays
- Maximum 12 splices per tray
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional pressure release valve



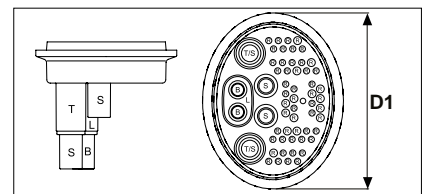
FDN IR A-Length Closure without Basket



FDN A-Length Closure Cover



FDN IR A-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN Integrated Routing (IR) A Length closure is available with a Cablelok. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and the backplane is an aluminium extrusion which can accommodate up to 6 IR SE trays or 12 IR SC trays or a combination of SE and SC trays. The position of the mounting system allows easy access for the routing of the fibre into the trays. 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 blocks guide fibre elements in to 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	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00488	FDNIR-AXXCWX	312	222	455	Cablelok™, Heatshrink	IR SE	6	3A
857-00489	FDNIR-AXXCXW	312	222	455	Cablelok™, Heatshrink	IR SC	12	3A
857-00487	FDNIR-AXXCXX	312	222	455	Cablelok™, Heatshrink	-	-	-

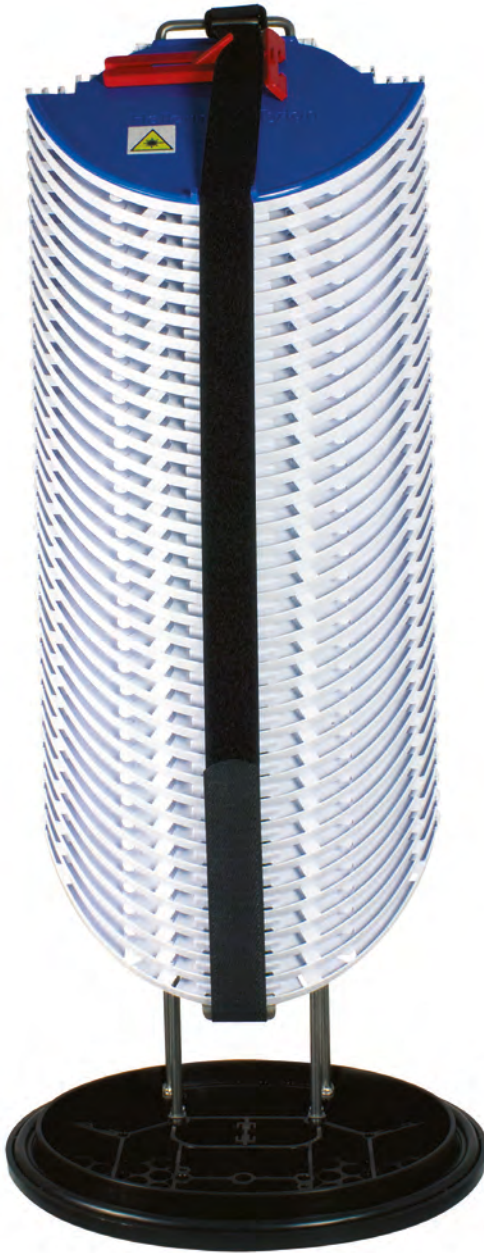
Products listed are for standard configurations, other configurations and splice insert types are available - see Page 141

Content of Set/Kit

- FDN IR Base
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Optic Routing Module
- Fibre Optic Storage Unit
- Fibre Optic Storage Unit Lid
- Fibre Slot Entry Module
- Fibre Slot Retaining Block
- Reuseable Cable Ties
- Tray Lid
- Tray Tool
- Anchor Fixing Kit (3)
- Spiral Binding
- Marker Kit
 - Red Marker 1 - 12
 - Green Marker 1 - 12
 - White Marker 1 - 33
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



Introduction



The FDN is a medium to large oval shaped cap ended closure with a high number of small ports for use in underground, direct burial or aerial installations. It is available with a tubing fibre management system or Integrated Routing (IR).

The high drop port count means that it is particularly suited for use in FTTH access networks. The base configuration of the FDN has 58 round ports and an oval port for loop through applications. The oval shape ensures that the FDN can be used where space is restricted

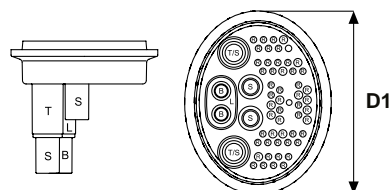
The cover is environmentally sealed to the base using an 'O' ring and quick release clamp. The cables are sealed using Cablelok mechanical seals or heatshrink sleeves (with the exception of the R ports).

The closure cover, which can be fitted with a flash test valve and/or grounding feed-through, is available in 4 different lengths depending on the maximum number of trays required. For flash test valve and/or grounding feed through versions please contact our sales office.

Features and Benefits

- Ideal for FTTH network applications, especially the last mile/kilometre
- 58 round ports and 1 oval port (for loop through cable)
- Suitable for blown fibre/cable applications
- Accommodates up to 36 Hellipse NZDF SE-A or Hellipse SMF SE-A trays
- Fibre loop storage basket for loop through applications
- Available in 4 different lengths
- Cablelok compatible for all port sizes
- Oval shape for use where space is limited
- Quick release cover clamp
- Accessory wall mounting bracket and stainless steel wall mounting strap kits available
- For use in underground, direct burial and aerial applications

Port	No. of Ports	Cable Range (mm)	
		Cablelok	Heatshrink
L	1	2 x 5.5 – 20.0	2 x 10.0 – 24.0
T	2	15.5 – 29.0	8.0 – 35.0
S	4	5.0 – 20.0	8.0 – 26.0
B	2	4.8 – 16.5	6.0 – 19.0
R	52	1.7 – 9.5	-



FDN Port Base Configuration



Cover Reference	Closure Width (mm) D1 x D2	Closure Length (mm) L	Hellipse NZDF SE-A Tray		Hellipse SMF SE-A Tray	
			Single Tray	Max Splice Capacity	Single Tray	Max Splice Capacity
A	222 X 312	455	*12(2)	144	12(2)	288**
AB	222 X 312	561	18(3)	216	18(3)	432**
B	222 X 312	663	24(4)	288	24(4)	576**
C	222 X 312	789	36(6)	432	36(6)	864**

*Single tray count (tray pack/ordering multiple) Hellipse NZDF SE-A – 12 splices per tray, Hellipse SMF SE-A – 24 splices per tray

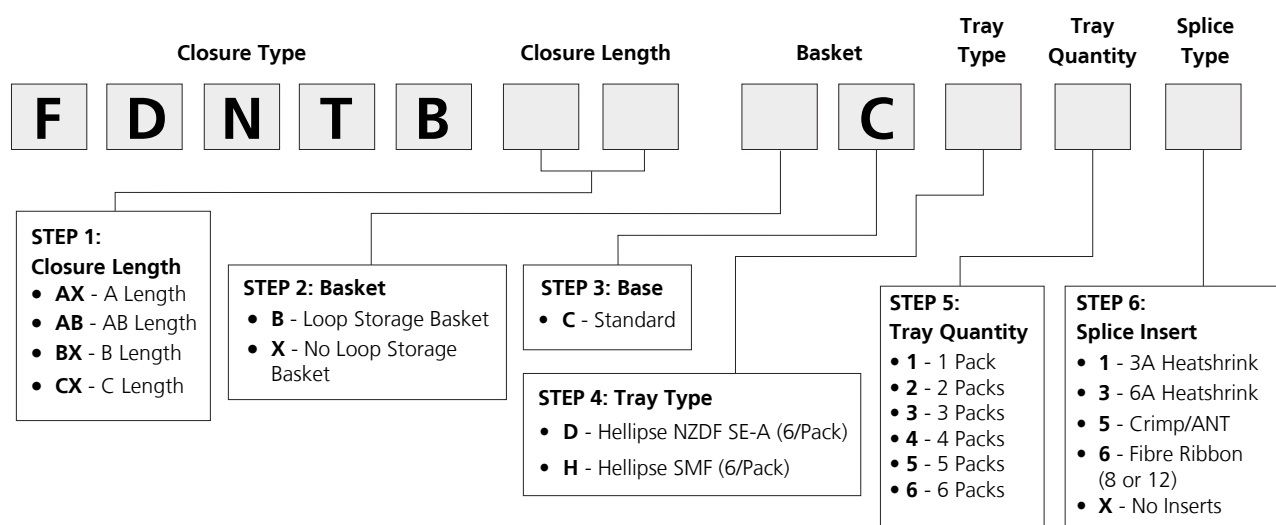
**Based on maximum splice protector length of 45mm

HellermannTyton closures with tubing fibre management system are supplied in standard configurations, with fibre management and splice trays included, ready to use. If a standard configuration is not suitable, the closures can be supplied with no splice trays which can then be ordered separately. Port seals (Cablelok and heatshrink) and accessories (e.g. mounting brackets) must be ordered separately.

Part Number Identification

Identifying the correct part number is a simple process:

- STEP 1:** Choose the appropriate closure length.
- STEP 2:** Decide if a loop storage basket is required.
- STEP 3:** 1 base option only. Selection pre-determined
- STEP 4:** Are Hellipse NZDF SE-A or Hellipse SMF SE-A trays required? The closure will be supplied with the maximum number of trays chosen for the closure length (as shown in the catalogue). Hellipse NZDF SE-A are supplied with 2 x 3A heatshrink splice protector bridges (12 splice capacity) and the Hellipse SMF SE-A trays have a moulded 3A heatshrink splice protector holder (12 splice capacity). If the closure is required with less than the maximum number of trays or alternative splice protectors are to be used, then an unloaded closure should be ordered with separate splice trays. Please refer to Chapter 12 for additional tray packs and splice types
- STEP 5:** Select any additional accessories.
- STEP 6:** Select any additional accessories.





FDN C Length with Basket

Features and Benefits

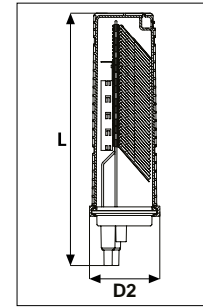
- Maximum 864 fibre splice capacity
- 58 round ports and 1 oval port
- Fibre storage basket for loop through applications
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



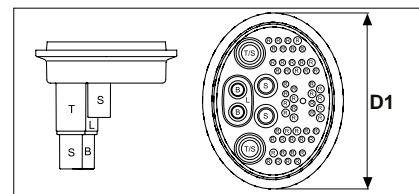
FDN C-Length Closure with Basket



FDN C-Length Closure Cover



FDN C-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN C Length closure with basket is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 36 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 864 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays and the basket provides storage space for the storage of fibre loops. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00663	FDNTB-CXBCD61	312	222	789	Cablelok™, Heatshrink	Hellipse NZDF SE-A	36	3A
857-00667	FDNTB-CXBCH6X	312	222	789	Cablelok™, Heatshrink	Hellipse SMF SE-A	36	3A
857-00659	FDNTB-CXBCXXX	312	222	789	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- C-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Tray Support Frame
- Anchor Fixing Kit(3)
- Tray Tool
- Hook and Loop Tray Securing Strap
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN C Length without Basket

Features and Benefits

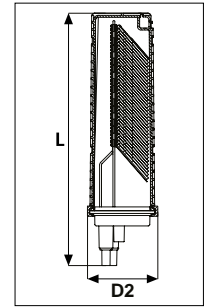
- Maximum 864 fibre splice capacity
- 58 round ports and 1 oval port
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



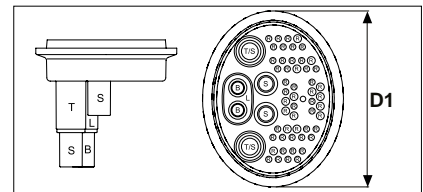
FDN C-Length Closure without Basket



FDN C-Length Closure Cover



FDN C-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN C Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 36 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 864 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00662	FDNTB-CXXCD61	312	222	789	Cablelok™, Heatshrink	Hellipse NZDF SE-A	36	3A
857-00666	FDNTB-CXXCH6X	312	222	789	Cablelok™, Heatshrink	Hellipse SMF SE-A	36	3A
857-00658	FDNTB-CXXCXXX	312	222	789	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

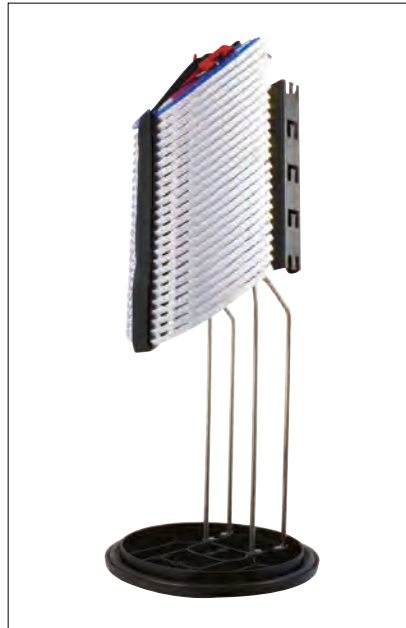
- FDN Base
- C-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Strap
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 48
 - Green Marker 1 – 48
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN B Length with Basket

Features and Benefits

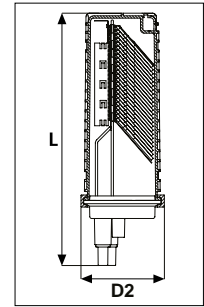
- Maximum 576 fibre splice capacity
- 58 round ports and 1 oval port
- Fibre storage basket for loop through applications
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



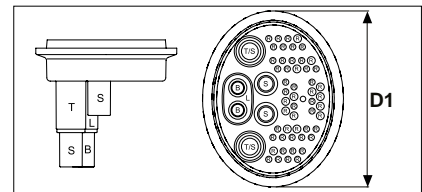
FDN B-Length Closure with Basket



FDN B-Length Closure Cover



FDN B-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN B Length closure with basket is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 24 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 576 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays and the basket provides storage space for the storage of fibre loops. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00655	FDNTB-BXBCD41	312	222	663	Cablelok™, Heatshrink	Hellipse NZDF SE-A	24	3A
857-00657	FDNTB-BXBCH4X	312	222	663	Cablelok™, Heatshrink	Hellipse SMF SE-A	24	3A
856-00653	FDNTB-BXBCXXX	312	222	663	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- B-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Straps
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 25
 - Green Marker 1 – 25
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN B Length without Basket

Features and Benefits

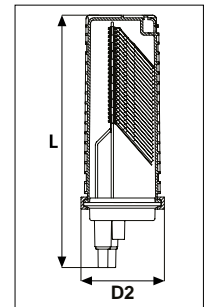
- Maximum 576 fibre splice capacity
- 58 round ports and 1 oval port
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



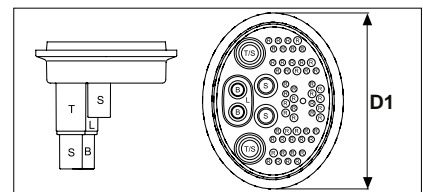
FDN B-Length Closure without Basket



FDN B-Length Closure Cover



FDN B-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN B Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 24 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 576 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00654	FDNTB-BXXCD41	312	222	663	Cablelok™, Heatshrink	Hellipse NZDF SE-A	24	3A
857-00656	FDNTB-BXXCH4X	312	222	663	Cablelok™, Heatshrink	Hellipse SMF SE-A	24	3A
857-00652	FDNTB-BXXCXXX	312	222	663	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- B-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Straps
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 25
 - Green Marker 1 – 25
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN AB Length with Basket

Features and Benefits

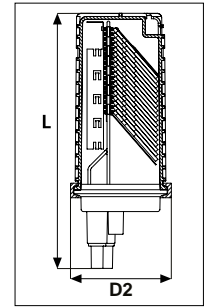
- Maximum 432 fibre splice capacity
- 58 round ports and 1 oval port
- Fibre storage basket for loop through applications
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



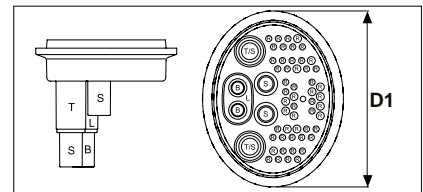
FDN AB-Length Closure with Basket



FDN AB-Length Closure Cover



FDN AB-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN AB Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 36 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 432 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays and the basket provides storage space for the storage of fibre loops. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00649	FDNTB-ABBCD31	312	222	561	Cablelok™, Heatshrink	Hellipse NZDF SE-A	18	3A
857-00651	FDNTB-ABBCH3X	312	222	561	Cablelok™, Heatshrink	Hellipse SMF SE-A	18	3A
857-00647	FDNTB-ABBCXXX	312	222	561	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Strap
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 25
 - Green Marker 1 – 25
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN AB Length without Basket

Features and Benefits

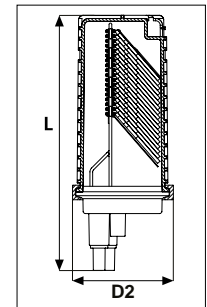
- Maximum 432 fibre splice capacity
- 58 round ports and 1 oval port
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ compatible for all port sizes
- Quick release cover
- Optional flash test valve and/or grounding feed-through



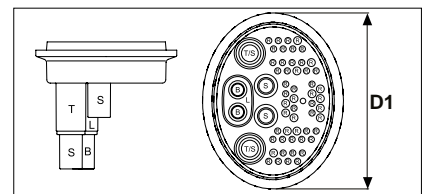
FDN AB-Length Closure without Basket



FDN AB-Length Closure Cover



FDN AB-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN AB Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 36 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 432 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00648	FDNTB-ABXCD31	312	222	561	Cablelok™, Heatshrink	Hellipse NZDF SE-A	18	3A
857-00650	FDNTB-ABXCH3X	312	222	561	Cablelok™, Heatshrink	Hellipse SMF SE-A	18	3A
857-00646	FDNTB-ABXCXXX	312	222	561	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Straps
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 25
 - Green Marker 1 – 25
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN A Length with Basket

Features and Benefits

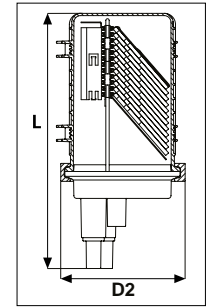
- Maximum 288 fibre splice capacity
- 58 round ports and 1 oval port
- Fibre storage basket for loop through applications
- Accommodates Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional flash test valve and/or grounding feed-through



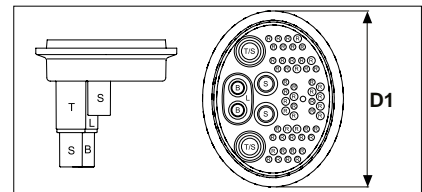
FDN A-Length Closure with Basket



FDN A-Length Closure Cover



FDN A-Length Closure with Basket



FDN Base Configuration

Technical Description

The FDN A Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from 304 grade stainless steel and can accommodate up to 12 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 288 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays and the basket provides storage space for the storage of fibre loops. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00641	FDNTB-AXBCD21	312	222	455	Cablelok™, Heatshrink	Hellipse NZDF SE-A	12	3A
857-00645	FDNTB-AXBCH2X	312	222	455	Cablelok™, Heatshrink	Hellipse SMF SE-A	12	3A
857-00637	FDNTB-AXBCXXX	312	222	455	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Strap
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 12
 - Green Marker 1 – 12
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



FDN A Length without Basket

Features and Benefits

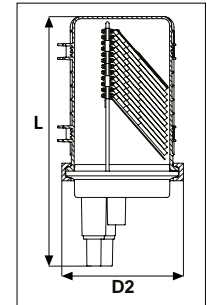
- Maximum 288 fibre splice capacity
- 58 round ports and 1 oval port
- Accommodates both Hellipse NZDF SE-A and SMF SE-A trays
- Maximum 24 splices per tray without double stacking (SMF SE-A trays)
- Splitter accommodation
- Cablelok™ ready
- Quick release cover
- Optional flash test valve and/or grounding feed-through



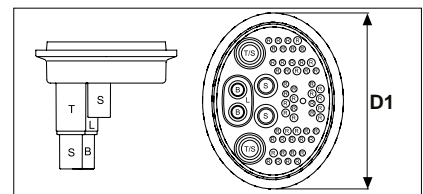
FDN A-Length Closure without Basket



FDN A-Length Closure Cover



FDN A-Length Closure without Basket



FDN Base Configuration

Technical Description

The FDN A Length closure is supplied with a Polypropylene base. The base configuration of 58 round ports and 1 oval port covers a cable diameter range of 1.7 – 29.0mm when using Cablelok mechanical seals and 6.0 – 35.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate up to 12 Hellipse NZDF SE-A or SMF SE-A trays giving a maximum of 288 fibre splices based on 24 fibres per tray (when using Hellipse SMF SE-A trays).

The tubed closure and the position of the mounting system allows for ease of access and traceability of the fibre into the trays. The trays are white which makes it easy to see the colour of the fibre elements as they are routed through the fibre management system.

Technical Data Table

Article-No.	Type	Dimensions			Base Type	Tray Type	Tray Quantity	Splice Protector Type
		Width D1 (mm)	Width D2 (mm)	Length L (mm)				
857-00640	FDNTB-AXXCD21	312	222	455	Cablelok™, Heatshrink	Hellipse NZDF SE-A	12	3A
857-00644	FDNTB-AXXCH2X	312	222	455	Cablelok™, Heatshrink	Hellipse SMF SE-A	12	3A
857-00636	FDNTB-AXXCXXX	312	222	455	Cablelok™, Heatshrink	-	-	-

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

Content of Set/Kit

- FDN Base
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Tray Support Frame
- Anchor Fixing Kit (3)
- Tray Tool
- Hook and Loop Tray Securing Strap
- Transportation Tubing
- Tubefix – Tube to Tray Securing Blocks
- Hook and Loop Management Ties
- Marker Kit
 - Red Marker 1 – 12
 - Green Marker 1 – 12
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide