# **HellermannTyton**



## 6.1 Connectorised Closures

### Introduction

The Connectorised closures from HellermannTyton include the FDN, FRBU and FST as standard. They are available configured with a selection of connectors to allow for the quick connection or disconnection of circuits using pre-configured fibre pigtails or field terminated connectors.

In addition to these standard configurations, HellermannTyton are able to design and manufacture customised versions bespoke to meet specific requirements giving customers a complete solution.

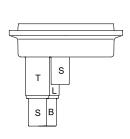
Options available for customising include the type, number and position of the fibre trays. Pre-installation of pigtails and adaptors as well as loading the connectors in designated positions within the closure. It is also possible to select and have pre-installed a wide selection of passive optical splitters pre-configured to meet your requirements.

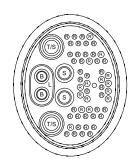
Typically connectorised closures are used towards the end of the network path (last mile) where the smaller capacity closures are best suited to these distribution points. The larger capacity UFC and FML closures have the capability to be used for high demand, high capacity connectorised solutions, providing even more options to the customer.

If a customer has a specific configuration requirement, by working closely together with HellermannTyton's experienced sales team it is possible to explore and develop the best solution to suit the project.

More information on the pre-tubed and fibre optic splitter options can be found on Page 176 or alternatively please contact our sales team.

Tel: +44 (0) 1604 707420 or Email: sales@htdata.co.uk





FDN 59 Port Base Configuration





FRBU 11 Port Base Configuration

FST 13 Port Base Configuration (Cablelok Only)

### **Features and Benefits**

- Ideal for FTTH/FTTK network applications, especially the last mile/kilometre
- · Suitable for blown fibre/cable applications
- Available pre-configured with LC Duplex or SC Simplex fibre pigtails
- · Quick and simple customer connection or disconnection
- Up to 64 customer drops per closure (using FDN)
- · Choice of FDN, FRBU or FST Closures
- · Pre-fitted splitter cassette options
- · ID markers for easy customer identification
- Uses HellermannTyton's Cablelok 100% mechanical seal

### **FDN Connectorised**

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

### **FRBU Connectorised**

Port	Number	Cable Range (mm)					
Port	of Ports	Cablelok	Heatshrink				
LM	1	2 x 4.0 - 15.0	2 x 8.0 – 22.0				
В	2 or 3	4.8 – 16.5	6.0 – 19.0				
R	10	1.7 – 9.5	-				

### **FST Connectorised**

Port	Number	Cable Range (mm)				
Port	of Ports	Cablelok	Heatshrink			
LM	1	2 x 4.0 - 15.0	-			
В	2 or 3	4.8 – 16.5	-			
R	10	1.7 – 9.5	-			

# **HellermannTyton**

# Range of Options, to Suit Customers' Requirements...





### **Connector Plate**

The connector plate can take a variety of fibre connectors including LC Duplex and SC Simplex in the FDN and FRBU closures and LC Quad or SC Duplex in the FST closure. PC adaptors supplied as standard, APC adaptors available on request.



### Optional Loop Storage Basket

The connectorised FDN closure can be supplied with a loop storage basket, providing a protective area for fibre to be stored for loop through applications.



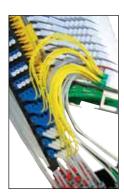
### LC and SC Pigtails

Fibre pigtails from
HellermannTyton can be
supplied in both LC and
SC format. The pigtails
are fed onto the tray and
secured using Tubefix.
Once on the tray the
pigtail can be spliced to
the incoming fibre.



## Connector/Customer ID Markers

Cable markers provide clear identification to the engineer as to which fibre connects with each customer. This helps speed up fault finding and customer connection/ disconnection.



### **Splitter Tray Options**

HellermannTyton offer the option of a splitter tray, allowing for multiple connection/customers to be serviced from a single incoming fibre.



### Protective Metal Casing

The FDN and FRBU closures are supplied with easily removable protective back plates. The plates are curved in shape to protect all connectors and their fibre cables, ensuring optimum performance.

# Broadband Connectivity Products Connectorised Closures

### **FDN Connectorised Closure**

### AB Length with 24 LC/SC Adaptors and Basket

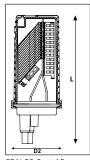
### **Features and Benefits**

- · Maximum 180 fibre splice capacity
- 58 round ports and 1 oval port
- · Fibre storage basket for loop through applications
- Hellipse NZDF SE-A trays
- LC Duplex or SC Simplex adaptors
- Maximum 12 splices per tray without double stacking
- Splitter accommodation
- Cablelok compatible for all port sizes
- · Quick release cover
- · Optional flash test valve and/or grounding feed-through

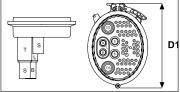








FDN 59 Port AB-Length Connectorised Closure and Basket



FDN 59 Port AB-Length Connectorised Closure with 48 LC or 24 SC ports and Basket

FDN 59 Port Base Port Configuration

### **Technical Description**

The FDN AB 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 15 Hellipse NZDF SE-A trays with a maximum of 24 LC Duplex or 24 SC Simplex adaptors mounted in the

connector plate for a maximum of 48 LC or 24 SC connectors.

The connectorised closure and the position of the mounting system allow for ease of access and traceability of the fibre on to 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.

ТҮРЕ	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Connector Type	Basket Size	Article-No.
FDNCT-ABBCDW1-LJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	LC	Small	857-00795
FDNCT-ABBCDW1-AJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	LC-APC	Small	857-00797
FDNCT-ABBCDW1-SJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	SC	Small	857-00799
FDNCT-ABBCDW1-TJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	SC-APC	Small	857-00801

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

- FDN Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Fibre Storage Basket
- Connector Plate
- LC Duplex or SC Simplex Adaptors
- 15 NZDF SE-A Trays
- Fibre Storage BasketTray 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
- Isopropyl Alcohol Wipes
- Desiccant
- · Installation Guide

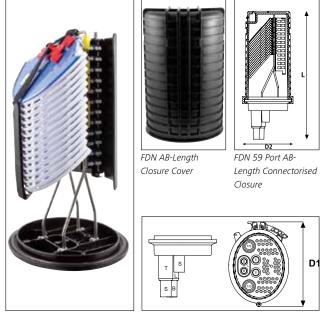


### **FDN Connectorised Closure**

### AB Length with 24 LC/SC Adaptors

### **Features and Benefits**

- · Maximum 180 fibre splice capacity
- 58 round ports and 1 oval port
- Hellipse NZDF SE-A Trays
- LC Duplex or SC Simplex adaptors
- · Maximum 12 splices per tray without double stacking
- Splitter accommodation
- Cablelok compatible for all port sizes
- · Quick release cover
- Optional flash test valve and/or grounding feed-through



FDN 59 Port AB-Length Connectorised Closure with 48 LC or 24 SC ports

FDN 59 Port Base Port 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 15 Hellipse NZDF SE-A trays with a

maximum of 24 LC Duplex or 24 SC Simplex adaptors mounted in the connector plate for a maximum of 48 LC or 24 SC connectors.

The connectorised closure and the position of the mounting system allow for ease of access and traceability of the fibre on to 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.

ТҮРЕ	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Connector Type	Article-No.
FDNCT-ABXCDW1-LJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	LC	857-00794
FDNCT-ABXCDW1-AJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	LC-APC	857-00796
FDNCT-ABXCDW1-SJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	ЗА	SC	857-00798
FDNCT-ABXCDW1-TJ	312	222	561	Cablelok, Heatshrink	Hellipse NZDF SE-A	15	3A	SC-APC	857-00800

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

- FDN Base
- AB-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- Connector PlateLC Duplex or SC
- Simplex Adaptors
- 15 NZDF SE-A Trays
- 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
- Isopropyl Alcohol Wipes
- Desiccant
- Installation Guide



### **FRBU Connectorised Closure**

### **B Length with 24 SC Simplex Adaptors**

### **Features and Benefits**

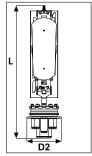
- · Maximum 72 fibre splice capacity
- 10 round ports and 1 oval port
- · Accommodates Hellapon Medium side hinged trays
- · SC Simplex adaptors
- Maximum 24 splices per tray (double stacked)
- Splitter accommodation
- Cablelok compatible for all port sizes
- · Quick release cover
- · Optional flash test valve and/or grounding feed-through



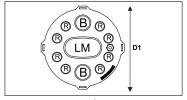




FRBU B-Length Closure Cover



FRBU B-Length 11 Port Connectorised Closure



FRBU 11 Port Base Configuration

### **Technical Description**

The FRBU 11 Port B Length closure is supplied with a Polypropylene base. The base configuration of 10 round ports and 1 oval port covers a cable diameter range of 1.7 – 16.5mm when using Cablelok mechanical seals and 6.0 – 24.0mm when using heatshrink.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate a maximum of 3 Hellapon Medium side hinged trays with a maximum of 24 SC Simplex adaptors mounted in the

connector plate for a maximum of 24 SC Connectors.

The Connectorised closure and the position of the mounting system allow for ease of access and traceability of the fibre on to 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 and in to the trays.

ТҮРЕ	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Connector Type	Article-No.
FRBCT-BXXEC2X-TF	130	130	505	Cablelok, Heatshrink	Hellapon Medium	2	3A	SC-APC	857-00910
FRBCT-BXXEC3X-TF	130	130	505	Cablelok, Heatshrink	Hellapon Medium	3	3A	SC-APC	857-00961

Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

- FRBU 11 Port Base
- B-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- · Connector Plate
- SC Simplex Adaptors
- Hellapon Medium Trays
- Tray Support Frame
- Anchor Fixing Kit (2)
- Tray Tool

- Transportation Tubing
- Hook and Loop Management Ties
- Cable Ties
- Isopropyl Alcohol Wipes
- Desiccant
- · Installation Guide
- Marker Kit
  - Red Marker 1 12
  - Green Marker 1 12



### **FST Connectorised Closure**

### 13 Port with 2 SC Duplex Adaptors

### **Features and Benefits**

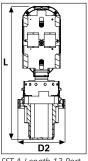
- · Maximum 24 fibre splice capacity
- 12 round ports and 1 oval port
- · SC Duplex adaptors
- Maximum 12 3A splices per tray
- Splitter accommodation
- · Cablelok compatible for all port sizes
- · Quick release cover



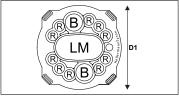








FST A-Length 13 Port Connectorised Closure



FST 13 Port Base Configuration

### **Technical Description**

The FST 13 port closure is supplied with a Polypropylene base. The base configuration of 12 round ports and 1 oval port covers a cable diameter range of 1.7 - 16.5mm when using Cablelok mechanical seals.

The mounting system is manufactured from Grade 304 stainless steel and can accommodate a maximum of 2 Hellapon Small trays with a maximum of 2 SC duplex adaptors mounted in the connector plate for a

maximum of 4 SC connectors.

The Connectorised closure and the position of the mounting system allow for ease of access and traceability of the fibre elements on to the travs.

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 and on to the trays.

ТҮРЕ	Width D1 (mm)	Width D2 (mm)	Length L (mm)	Base Type	Tray Type	Tray Quantity	Splice Protector Type	Connector Type	Article-No.
FSTCT-AXXTA11-TF	110	110	310	Cablelok, Heatshrink	Hellapon Small	1	3A	SC-APC	857-00970
FSTCT-AXXTA21-TF	110	110	310	Cablelok, Heatshrink	Hellapon Small	2	3A	SC-APC	857-00969

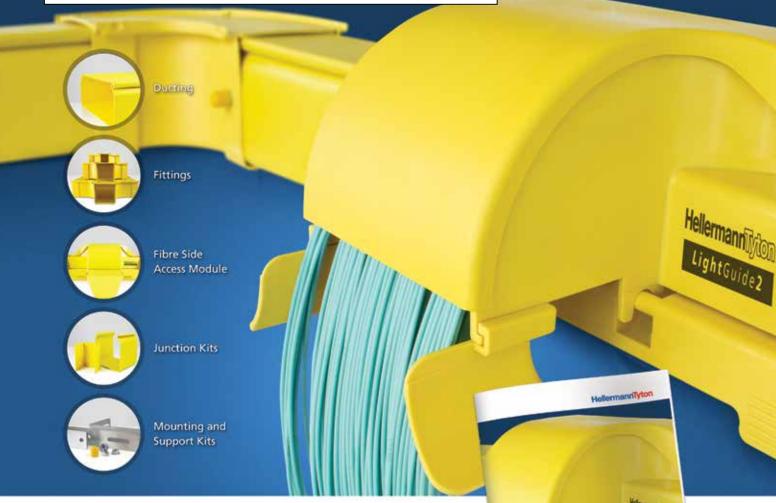
Products listed are for standard configurations, other configurations and splice insert types are available - see Page 176

- FST 13 Port Base
- Anchor Ring
- A-Length Cover (Dome)
- Quick Release Clamp
- Sealing 'O' Ring
- · Connector Plate
- SC Duplex Connectors
- Hellapon Small Trays
- Tray Support FrameAnchor Fixing Kit (2)
- Hook and Loop Securing Strap (3 tray version only)
- Transportation Tubing
- Isopropyl Alcohol Wipes
- Desiccant

- · Installation Guide
- Maker Kit
  - Red Marker 1 − 12
  - Green Marker 1 12

# **HellermannTyton**





LightGuide 2 from HellermannTyton is a flexible fibre optic ducting system designed to protect and route fibre optic cable in the data centre, central office, head end and PoP.

## The HellermannTyton LightGuide 2 system offers the following features and benefits:

- Quick and easy to assemble
- No specialist installation equipment required
- Ducting and fittings sold with lids as complete item
- Protects fibre optic cable and maintains optimum bend radius
- Full solution available to suit any sized installation

For more information download our LightGuide 2 Catalogue

htdata.co.uk





