



A close-up photograph of several purple cables plugged into a grey rack. A blue connector is visible at the bottom of the rack, with a metal contact point. The cables are arranged in a row, and the rack has a textured surface.

# Cablelok

Better Technology through Innovation

**MADE TO CONNECT**

# Cablelok - Your perfect sealing solution



Mechanical seals are increasingly used by engineers and network owners in fibre installation projects across the globe.

Traditional heatshrink methods for cable sealing are time consuming; dependent on the skill of the engineer; and the access required around the port means heatshrink is not conducive to high port densities, particularly applicable in today's FTTX environment. There are also health and safety concerns relating to gas bottle storage/transportation and confined space use.

HellermannTyton's patented Cablelok mechanical seal enables fast safe cable installation, providing a highly repeatable and consistent seal between the cable and the closure port with excellent non-leak performance. Tested to in excess of 6m head of water, the Cablelok does not rely on the skill and experience of the engineer to achieve the required seal, whilst installation times are typically reduced by up to 90%.

### Key Features

Engineered with both the application, user and network installer in mind, Cablelok offers:

- **Durability**
  - Manufactured from external grade polychloroprene
  - Excellent sealing properties in excess of 6m head of water (58.8kPa)
  - Exceeds performance standards on temperature usage, ranging from -40 °C and +65 °C (EN 50411-2-3:2012-22)
- **Versatility**
  - Eliminates the need for potentially hazardous gas bottle transportation and storage
  - Ideal for use in hazardous or restricted areas as no heat or gas is required for installation
- **Ease of use**
  - Highly repeatable – the quality of the seal is not dependent on the skill of the engineer
  - Rapid installation with no specialist tools required
- **Flexibility**
  - Multi-drop versions are available allowing more cable drops from the same port or loop through applications

# Make Cablelok your first choice

## Durability

Whether you are assembling a fibre closure to go in a pit or on a pole, you will know that the closure port seal will be secure, easy to maintain and functional for years to come. Cablelok are manufactured from external grade flexible polychloroprene which provides excellent temp, cable bending, water resistances, salt mist and resistance to solvents.

### Robust Performance

Due to the nature of the material, Cablelok exceeds performance standards providing a secure seal in temperatures ranging from  $-40^{\circ}\text{C}$  and  $+65^{\circ}\text{C}$  (EN 50411-2-3:2012-22) and provide sealing properties in excess of 6m head of water (58.8kPa).

Cablelok are engineered to far exceed any expected application requirements

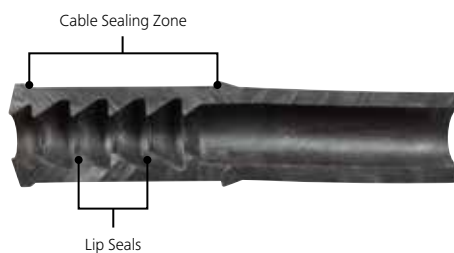


## Versatility

Unlike heatshrink, that requires direct heat, sealing is achieved by multiple internal lip seals which are compressed onto the cable during installation.

This method of sealing eliminates the need for potentially hazardous gas bottle transportation and storage and is ideal for use in hazardous or restricted areas as no heat or gas is required for installation.

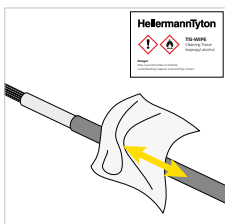
### How it works



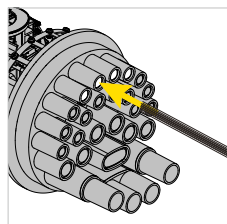
## Ease of use

Cablelok is a quick, easy and safer way to install and seal fibre into a closure. Using Cablelok can reduce installation times by up to 20 minutes compared to heatshrink alternatives.

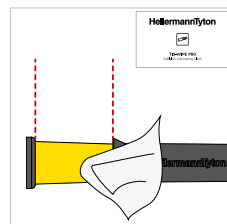
- Simple to install, with easy to follow steps
- Rapid installation with no specialist tools required
- Safer than heatshrink sealing methods



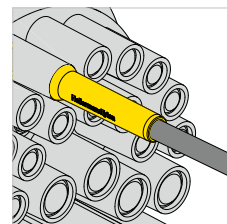
*Step 1: Clean and lubricate the cable and opened port.*



*Step 2: Insert the cable through the base.*



*Step 3: Lubricate the Cablelok and thread onto cable.*



*Step 4: Pull Cablelok through port until seals are seated.*

## Flexibility

Multiple drop Cableloks have been developed to increase the capacity for cables within the range of HellermannTyton closures. These multi-drop Cableloks are available for round and oval ports and can therefore be used in a variety of closures.

When using the 5 multi-drop S port Cablelok in the 59 port FDN base, the number of drop cables can be increased from 52 cable installed drops up to a maximum of 72 cable drops by converting the 4 x 1 S ports with 4 x 5 multi-drop Cableloks. This flexibility for expansion will enable the 59 port FDN to be used to support 3; 1:24 or 2; 1:32 passive splitters, both of which are widely used configurations in FTTH applications.



*S Port Cablelok with 1 cable drop per port.*



*S Port Cablelok with 2 cable drops per port.*



*S Port Cablelok with 5 cable drops per port.*



*LM Port Cablelok with 2 cable drops per port.*

# Selecting the correct Cablelok



The reliability of the seal rests on accuracy of selecting the correct size Cablelok.

Each port size on a HellermannTyton fibre closure has a unique identifier and a dedicated series of Cablelok seals (ie: R, B, S, T, D, LM or L).

Every Cablelok within a series is specifically designed to accommodate a range of cable diameters. Achieving the required seal performance is simply a case of selecting the correct Cablelok for the port and cable combination being used.

**L**

L Series

**LM**

LM Series

**T**

T Series

**S**

S Series

**B**

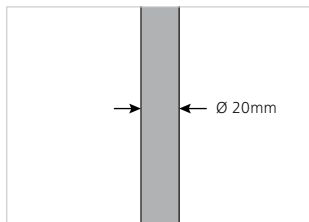
B Series

**R**

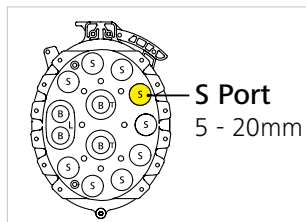
R Series

**D**

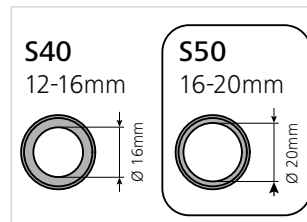
D Series



Step 1: Determine the diameter of the cable being used.



Step 2: Choose the appropriate closure port to be used and port identifier.



Step 3: Identify the correct Cablelok using the port and cable ranges shown overleaf.

## Reference Tables

### Port Type and Cable Size









The table below shows the port types and the cable sizes that can be used in that port using Cablelok and heatshrink sealing methods.

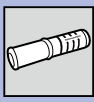
		CABLE RANGE	
		Cablelok	Heatshrink
Oval	L	5.5 - 20.0 mm	2 x 12.0 – 24.0
	LM	4.0 - 15.0 mm	2 X 8.0 – 22.0
Round	T	15.5 - 29.0 mm	12.0 – 35.0
	S	5.0 - 20.0 mm	12.0 – 26.0
	B	4.8 - 16.5 mm	6.0 – 19.0
	R	1.7 - 9.5 mm	4.0 – 11.0 (FRBU only)
	D	10 - 12 mm	-

### Fibre Splice Closures

This table lists the fibre splice closures available and their port counts. The port count along with the table above listing the port cable sizes will help you in deciding which size Cablelok will work best for your application.

Port counts with additional numbers denote ports with multiple port size options. For example an oval port can present 1 x L-port or 2 x S-ports. Please refer to base port diagrams on the product pages in the Broadband Catalogue for further explanation.

		CLOSURE RANGE										
		UFC	FDN		CFN		FML	FRBU			FST	
Total Port Count		30	59	16	27	19	13	16	11	9	13	4
												
Oval	L	0 / 1	0 / 1	0 / 1	0	0	0 / 1	0	0	1	0	0
	LM	1	0	0	1	1	0	1	1	0	1	1
Round	T	0 / 2	0 / 2	0 / 2	0	0	0 / 2	0	0	0	0	0
	S	8 / 10	2 / 4	9	0	0	6	0	0	0	0	0
	B	16	0 / 2	0 / 4	2	2	2 / 4	0	2	4	2	3
	R	0	52	0	24	0	0	16	8	4	10	0
	D	0	0	0	0	16	0	0	0	0	0	0



## Cablelok

### R Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-R10-01		1.7 - 2.0	1	857-50163
CABLELOK-R10-10		1.7 - 2.0	10	857-50164
CABLELOK-R10D-01		1.7 - 2.0	1	857-50161
CABLELOK-R10D-10		1.7 - 2.0	10	857-50162
CABLELOK-R15-01		2.0 - 3.0	1	857-50224
CABLELOK-R15-10		2.0 - 3.0	10	857-50225
CABLELOK-R15D-01		2.0 - 3.0	1	857-50226
CABLELOK-R15D-10		2.0 - 3.0	10	857-50227
CABLELOK-R20-01		3.0 - 3.8	1	857-50165
CABLELOK-R20-10		3.0 - 3.8	10	857-50166
CABLELOK-R30D-01		3.8 - 4.8	1	857-50159
CABLELOK-R30D-10		3.8 - 4.8	10	857-50160
CABLELOK-R40-01		3.8 - 5.2	1	857-50151
CABLELOK-R40-10		3.8 - 5.2	10	857-50152
CABLELOK-R50-01		5.2 - 8.0	1	857-50153
CABLELOK-R50-10		5.2 - 8.0	10	857-50154
CABLELOK-R70-01		6.0 - 8.5	1	857-50167
CABLELOK-R70-10		6.0 - 8.5	10	857-50168
CABLELOK-R80-01		8.0 - 9.5	1	857-50155
CABLELOK-R80-10		8.0 - 9.5	10	857-50156
CABLELOK-R99-01		-	1	857-50157
CABLELOK-R99-10		-	10	857-50158

All dimensions in mm. Subject to technical changes.

### R750V Cablelok

The R750V Cablelok has been designed to provide a seal the R port of the HellermannTyton closures with an oval cable.

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-R750V-01		7.7 x 4.2 - 4.5	1	857-50241
CABLELOK-R750V-10			10	857-50242

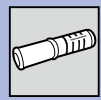
All dimensions in mm. Subject to technical changes.

### B Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-B10-01		4.8 - 9.0	1	857-50149
CABLELOK-B10-10		4.8 - 9.0	10	857-50150
CABLELOK-B20-01		8.0 - 14.0	1	857-50143
CABLELOK-B20-10		8.0 - 14.0	10	857-50144
CABLELOK-B30-01		13.0 - 16.5	1	857-50145
CABLELOK-B30-10		13.0 - 16.5	10	857-50146
CABLELOK-B99-01		-	1	857-50147
CABLELOK-B99-10		-	10	857-50148

All dimensions in mm. Subject to technical changes.





## Cablelok

### D Port Cablelok

Designed to provide a seal for 10-12mm cable/duct in the D Port of the HellermannTyton closures.

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-D10-01		10	1	857-50243
CABLELOK-D10-10			10	857-50244
CABLELOK-D20-01		12	1	857-50245
CABLELOK-D20-10			10	857-50246

All dimensions in mm. Subject to technical changes.

### S Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-S10-01		5.0 - 8.5	1	857-50179
CABLELOK-S10-10			10	857-50180
CABLELOK-S20-01		8.0 - 12.0	1	857-50169
CABLELOK-S20-10			10	857-50170
CABLELOK-S30D-01		10.0 - 11.5	1	857-50177
CABLELOK-S30D-10			10	857-50178
CABLELOK-S40-01		12.0 - 16.0	1	857-50171
CABLELOK-S40-10			10	857-50172
CABLELOK-S50-01		16.0 - 20.0	1	857-50173
CABLELOK-S50-10			10	857-50174
CABLELOK-S99-01		-	1	857-50175
CABLELOK-S99-10			10	857-50176

All dimensions in mm. Subject to technical changes.

### S Port Multi-Drop Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-S15M5-01		6.8 - 7.2	1	857-50228
CABLELOK-S15M5-10			10	857-50229

All dimensions in mm. Subject to technical changes.

### T Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-T10-01		15.5 - 22.0	1	857-50189
CABLELOK-T10-10			10	857-50190
CABLELOK-T20-01		20.0 - 23.5	1	857-50181
CABLELOK-T20-10			10	857-50182
CABLELOK-T30-01		23.5 - 25.5	1	857-50183
CABLELOK-T30-10			10	857-50184
CABLELOK-T40-01		24.5 - 29.0	1	857-50185
CABLELOK-T40-10			10	857-50186
CABLELOK-T99-01		-	1	857-50187
CABLELOK-T99-10			10	857-50188

All dimensions in mm. Subject to technical changes.



## Cablelok

### LM Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-LM10C-01		4.0 - 6.5	1	857-50203
CABLELOK-LM10C-10		4.0 - 6.5	10	857-50204
CABLELOK-LM20C-01		6.0 - 9.5	1	857-50205
CABLELOK-LM20C-10		6.0 - 9.5	10	857-50206
CABLELOK-LM30C-01		9.0 - 12.5	1	857-50207
CABLELOK-LM30C-10		9.0 - 12.5	10	857-50208
CABLELOK-LM40C-01		12.5 - 15.0	1	857-50209
CABLELOK-LM40C-10		12.5 - 15.0	10	857-50210
CABLELOK-LM99C-01		-	1	857-50211
CABLELOK-LM99C-10		-	10	857-50212

All dimensions in mm. Subject to technical changes.

### L Port Cablelok

TYPE	Drawing	Suitable for Cable Ø from/to	Pack Cont.	Article-No.
CABLELOK-L10C-01		5.5 - 9.5	1	857-50199
CABLELOK-L10C-10		5.5 - 9.5	10	857-50200
CABLELOK-L20C-01		9.0 - 12.5	1	857-50213
CABLELOK-L20C-10		9.0 - 12.5	10	857-50214
CABLELOK-L30C-01		12.0 - 15.0	1	857-50191
CABLELOK-L30C-10		12.0 - 15.0	10	857-50192
CABLELOK-L40C-01		15.0 - 18.5	1	857-50193
CABLELOK-L40C-10		15.0 - 18.5	10	857-50194
CABLELOK-L50C-01		18.3 - 20.0	1	857-50195
CABLELOK-L50C-10		18.3 - 20.0	10	857-50196
CABLELOK-L99C-01		-	1	857-50197
CABLELOK-L99C-10		-	10	857-50198

All dimensions in mm. Subject to technical changes.

### Port Opening Accessories

TYPE	Drawing	Description	Port	Content	Pack Cont.	Article-No.
SBT-B-01		B Port Opening Blade	B	-	1	857-40433
SBT-R-01		R Port Opening Blade	R	-	1	857-40432
SBT-S-01		S Port Opening Blade	S	-	1	857-40434
TPC3337		Coping Saw	L, LM, T	-	1	857-40179
TPC1942		Inset Disc	B	-	1	857-40176
TPC1941		Inset Disc	R	-	1	857-40175
TPC1943		Inset Disc	S	-	1	857-40177
TPC1940		Top Hat	B	-	1	857-40174
TPC1939		Top Hat	R	-	1	857-40173
TPC1944		Top Hat	S	-	1	857-40367
TPCK3924		Port Opening Tool Kit	-	TPC1939 TPC1940 TPC1941 TPC1942 TPC1943 Cover Release Tool	1	857-40221

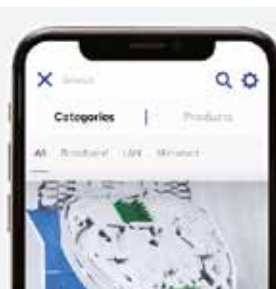
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The HT Connect App from HellermannTyton is the perfect product information tool.


Using Augmented Reality (AR) technology through your mobile phone or tablet, you can see a number of selected products from the HellermannTyton product range in a live environment.

The app is designed to give you a closer look at our products as well as giving you additional information including datasheets, installation guides, installation videos and links to website.





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