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**Cablelok™**

The CABLELOK™ seal is a unique and patented product used for the environmental sealing of cable entering a HellermannTyton cable jointing closure. Manufactured from an external grade of flexible neoprene, sealing is achieved by a number of internal lip seals, which are compressed onto the cable during installation.

The base port is opened using the correct size port opening tool (1) – see page 35. The cable is then simply inserted into the opened port (2) and then threaded through the Cablelok™ seal (3) so that sufficient cable is available for jointing. The Cablelok™ seal and cable are then pulled back together through the port (4) until the location shoulder of the seal locks against the open end of the port.

The photographs opposite illustrate the assembly steps.

- Excellent sealing properties to 6m head of water
- Rapid and consistent installation with few specialist tools as compared with heatshrink
- Ideal for use in hazardous areas as no heat is required for installation
- Dual outlet versions for loop through applications
- Multi-hole versions are available allowing several cable drops from the same port
- Supplied with lubricant impregnated wipes to assist installation
- Cablelok™ hole plugs are available for sealing unused outlets in multi-hole versions

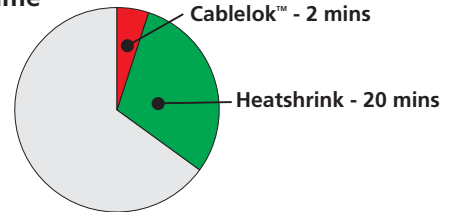


(1) Punch out base hole with port tool (2) Feed through cable



(3) Slide on Cablelok™ seal (4) Pull back to correct position

**Installation Time**



Cablelok™ 'R' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50085	CABLELOK3755	1.7 - 2.0	R8	50
857-50064	CABLELOK3598	2 x 1.7 - 2.0	R7	50
857-50123	CABLELOK3873	3.0 - 3.8	R9	50
857-50007	CABLELOK1078	2 x 3.8 - 4.8	R5	50
857-50009	CABLELOK1080	3.8 - 5.2	R1	50
857-50010	CABLELOK1081	5.2 - 8.0	R2	50
857-50011	CABLELOK1082	8.0 - 9.5	R3	50
857-50012	CABLELOK1083	Port Closure Plug	R4	50

Cablelok™ 'B' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50029	CABLELOK2952	4.8 - 9.0	B4	25
857-50013	CABLELOK1084	8.0 - 14.0	B1	25
857-50014	CABLELOK1085	13.0 - 16.5	B2	25
857-50015	CABLELOK1086	Port Closure Plug	B3	25

Cablelok™ 'S' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50124	CABLELOK3874	5.0 - 8.5	S6	20
857-50021	CABLELOK1969	8.0 - 12.0	S1	20
857-50065	CABLELOK3601	2 x 10.0 - 11.5	S5	20
857-50022	CABLELOK1970	12.0 - 16.0	S2	20
857-50023	CABLELOK1971	16.0 - 20.0	S3	20
857-50024	CABLELOK1972	Port Closure Plug	S4	20

Cablelok™ 'T' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50066	CABLELOK3602	15.5 - 22.0	T5	10
857-50067	CABLELOK3603	20.5 - 23.5	T1	10
857-50068	CABLELOK3604	23.5 - 25.5	T2	10
857-50069	CABLELOK3605	24.5 - 29.0	T3	10
857-50070	CABLELOK3606	Port Closure Plug	T4	10

Cablelok™ 'LM' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50018	CABLELOK1960	2 x 9.5 - 11.5	LM1	15
857-50071	CABLELOK3607	2 x 12.0 - 14.5	LM1A	15
857-50019	CABLELOK1961	2 x 17.5 - 18.5	LM2	15
857-50072	CABLELOK3609	2 x 18.5 - 22.0	LM2A	15
857-50020	CABLELOK1962	Port Closure Plug	LM3	15

Cablelok™ 'L' Series				
UNS No.	Reference	Cable Range (mm)	Size	Pack Qty
857-50016	CABLELOK1087	2 x 13.0 - 14.5	L1	10
857-50017	CABLELOK1088	2 x 16.5 - 18.0	L2	10
857-50008	CABLELOK1079	2 x 20.0 - 22.0	L3	10
857-50006	CABLELOK1073	Port Closure Plug	L4	10

Cablelok™ Hole Plug					
UNS No.	Reference	Nominal Dia. (mm)	Length (mm)	For use with	Pack Qty
857-50116	PLUG3610	2.00	150	R7	100
857-50117	PLUG3612	4.50	150	R5	100
857-50118	PLUG3613	10.50	200	S5, LM1	50
857-50119	PLUG3614	14.50	200	L1, LM1A	50
857-50120	PLUG3615	17.50	220	LM2, L2	25
857-50121	PLUG3616	20.00	200	LM2A, L3	25

## KJC – Kits Joint Closure

The KJC No.1 range are environmentally sealed in-line closures used for the jointing of 20, 50 and 100 pair copper cables in underground and aerial installations. They consist of a length of adhesive lined medium walled heatshrink sleeving, aluminium foil to resist moisture penetration and a braided metal sleeve for strength and protection of the splice bundle.

- Manufactured and approved to the BT specification
- Medium walled heatshrink sleeving with thermochromatic paint for correct shrinkage temperature indication
- Metal braid for splice bundle protection
- Moisture penetration barrier foil
- Suitable for 20, 50 and 100 pair copper telecommunication cables with up to 0.9mm diameter conductors
- Thick layer of adhesive lining on the heatshrink sleeving for branch cable sealing
- Supplied with cable surface preparation materials



### Typical Application

- The jointing of multi-conductor copper telecommunication cables in both aerial and underground installations

KJC Details						
UNS No.	Reference	No. of Pairs	Expanded Dia. (mm)	Recovered Dia. (mm)	Length (mm)	Splice Bundle Max. Length (mm)
857-40151	KJC1A257	20	33	6	600	230
857-40152	KJC1B258	50	45	12	600	230
857-40153	KJC1C259	100	60	16	600	230

## HS – Heatshrink Sleeving

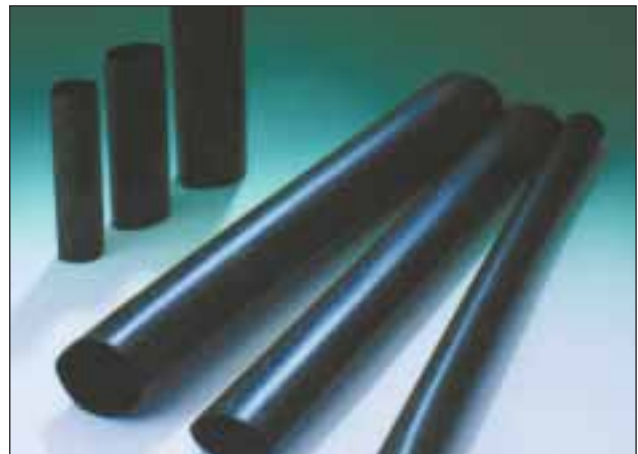
HS is a range of adhesive lined crosslinked polyolefin medium walled heatshrink sleeving used for sealing cable entries of external jointing closures for both fibre and copper cables. A selection of standard diameters and lengths are shown below but special lengths can be supplied to customer order.

The sleeves have an external coating of thermochromatic paint, which changes colour when the correct temperature for shrinkage is achieved and an internal lining of hot melt adhesive which provides the environmental seal.

- Meets the requirements of BT specification LN450
- Available in a range of sizes
- High shrink ratio
- Thermochromatic paint for correct shrinkage temperature indication
- Suitable for branch sealing applications
- HS kits are supplied with abrasive strips, aluminium foil and tissue wipes

### Typical Application

- The sealing of cable entries on external cable jointing closures



HS Details					
UNS No.	Reference	Expanded Dia. (mm)	Recovered Dia. (mm)	Length	Pack Qty
857-40142	HS1899	33	6	150	10
857-40143	HS1900	33	6	180	10
857-40144	HS1901	33	6	600	10
857-40145	HS1902	45	12	150	10
857-40146	HS1903	45	12	180	10
857-40147	HS1904	45	12	600	10
857-40148	HS1905	60	16	150	10
857-40149	HS1906	60	16	180	10
857-40150	HS1907	60	16	600	10

## BCL - Branch Cable Sealing Clip

The BCL is a 65mm long 'U' shaped black epoxy coated aluminium clip. It is used in conjunction with an adhesive lined heatshrink sleeve to produce an environmental seal between two cables passing through the same port of a closure.

- Simple design allows for rapid heat transfer through the heatshrink sleeve to the hot melt adhesive lining
- One size of clip accommodates a wide range of cable diameters for 5 to 28mm

### Typical Applications

- The branch sealing between two cables on a closure
- Loop through fibre applications using heatshrink seals

Branch Cable Sealing Clip		
UNS No.	Reference	Pack Size
857-40063	<b>BCL1938</b>	50



## Universal Installation Mounting Bracket

The universal Installation Mounting Bracket is designed for securing various closure types in the horizontal and vertical positions during installation of network cables or closure maintenance.

- Provides secure closure fixture
- Each size covers a number of closure types
- Vertical or horizontal orientations possible
- Simple, quick and safe to use
- Manufactured from high quality materials for long service life
- Interchangeable jaws to cover all HellermannTyton cap-ended closures

### Typical Applications

- Cable Installation
- Splicing and maintenance

Universal Installation Mounting Bracket			
UNS No.	Reference	Description	For Closure Type
857-40181	<b>UFCA2685</b>	Complete Bracket	UFC, FML, FDN, CDJ
857-40110	<b>FRBUA2820</b>	Complete Bracket	FRBU, FST, MRBU, RBU, LRBU
857-40077	<b>FDNA3717*</b>	Complete Bracket	FDN
857-40015	<b>ACC2823</b>	Jaws Only	UFC, FML, FDN, CDJ
857-40016	<b>ACC2824</b>	Jaws Only	FRBU, FST, MRBU, RBU, LRBU

\*Economy version - FDN only



ACC2824 - Jaws Only



UFCA2685 - Vertical Position



UFCA2685 - Horizontal Position

### TPC – Port Opening Tools

The TPC range of tools is available in a number of sizes designed for the removal of the ends of closed cable entry ports on the HellermannTyton range of ready access closures.

There are two types of tool, one for the “top hat” style ends of the 4 port FST, FRBU, MRBU, RBU and LRBU and the other for the inset disc style ends of the 11 and 13 port FST, FDN, FML and UFC.

In order to open up the cable entry ports, both types of tool are located at the end of the port and rotated several times by hand cutting through the material leaving a smooth finish for cable installation.

- Consistent smooth quality of cut reducing risk of damage to cable sheaths during installation
- Ideal for Cablelok™ installations
- Simple, quick and safe to use
- Manufactured from high quality materials for long service life

#### Typical Application

- The removal of cable port entries of ready access closures

Inset Disc Style Tools			
UNS No.	Reference	Pack Qty	Port Size
857-40175	TPC1941	1	R
857-40176	TPC1942	1	B
857-40177	TPC1943	1	S



*Inset disc style tool*



*'Top Hat' style tool*

Top Hat Style Ports			
UNS No.	Reference	Pack Qty	Port Size
857-40173	TPC1939	1	R
857-40174	TPC1940	1	B

Coping Saw			
UNS No.	Reference	Pack Qty	Port Size
857-40179	TPC3337	1	L, LM, T

### TCR – Cover Release Tools

The TCR tools are supplied in pairs and are re-usable hand operated tools manufactured from stainless steel. They are designed to aid the opening of the FST, FRBU, MRBU, RBU and LRBU ready access closures.

The tongues of the tools are simply applied between the base and the cover and act so as to lever the cover retaining lugs from the base in order to open the closure.

- Easy to use and prevents the possibility of damage to the closure
- Manufactured from stainless steel and re-usable

#### Typical Application

- The opening of FST, FRBU, MRBU, RBU and LRBU ready access closures

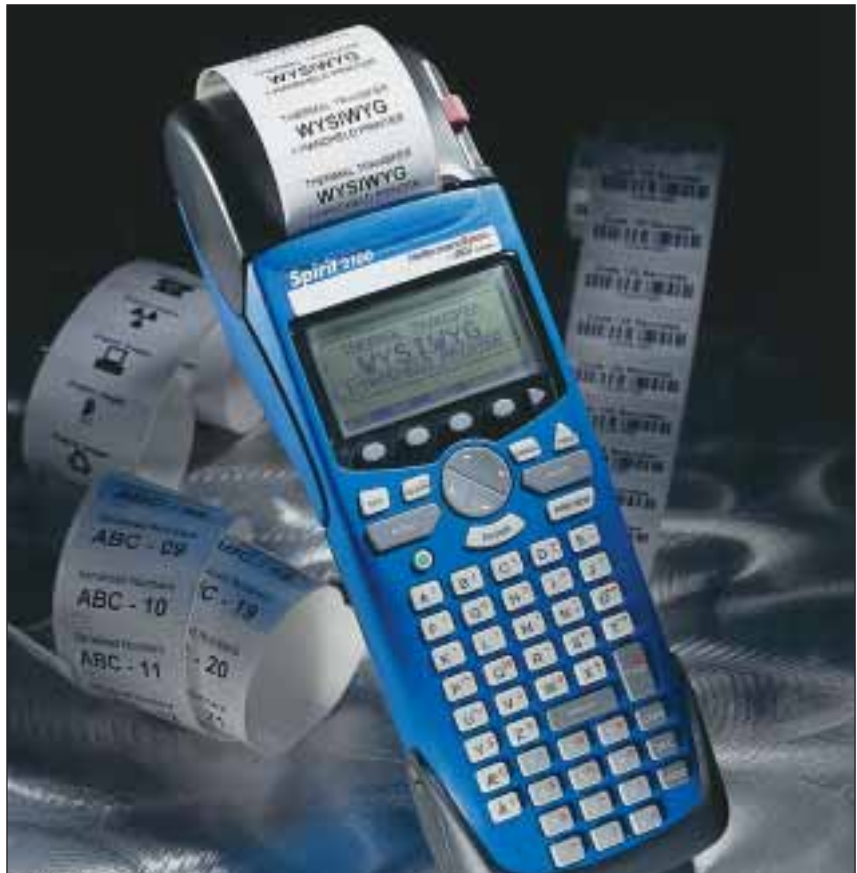


Cover Release Tool		
UNS No.	Reference	Pack Size
857-40172	TCR1726	2

### Portable Printing System Spirit 2100

As one of the first portable printing systems the Spirit 2100 features "What You See Is What You Get" (WYSIWYG) label design and creation on an LCD screen that shows the outline of the label. Just type in the text (which is displayed on the screen), choose from several print sizes and press the print button. It is that simple! The printer automatically detects the label and determines the proper size template for easy editing. The Spirit 2100 provides fast, high quality, thermal transfer printing for permanent and highly legible label printing.

The Spirit 2100 prints on many different types of label materials including self-laminating, white and metallised polyester for components, and tamper evident materials for calibration and security labelling.



Spirit 2100 – easy to use and extra large LCD screen



Clearly packed, always ready to go – Spirit 2100 in the transportation case

#### Product characteristics

- "What you see is what you get" (WYSIWYG) label design and creation. The label will print just like it looks on screen.
- Choose from normal or bold fonts to complete the label design appearance
- Easily change text sizes: small, normal or large text
- Left, right, or centre justify text
- Automatically centres text during label edit
- "Auto-Fill"-Function, to comfortably copy one line into other lines
- Easily import graphic images into your label design
- Print with popular barcode symbols including Code 39, Code 128 and EAN
- Vertical print option for patch panels, wall plates, terminal blocks and wire markers
- Print serial numbers on labels with the "serial" text type. Spirit 2100 will automatically remember the last serial number printed. The next print starts with the following serial number.
- The ribbon is longer than the industry standard which translates into fewer ribbon-change-overs
- Battery power and a convenient hand strap make the Spirit 2100 extremely portable and accessible
- Label sizes and user interface upgradeable (via internet)

Accessories	
UNS No.	Type
557-00001	BC10EU Charger
557-00002	Carrying Case
557-00003	Battery Pack
557-00004	Interface Cable
557-00005	Cleaning Pen
557-00006	Spindle
557-00007	Spindle Cap
557-00008	Cleaning Card

Thermal Transfer Printer Spirit 2100	
UNS No.	Type
557-00000	Spirit 2100 printer with rechargeable battery and charger, ribbon cartridge, labels TAGH73-336, printer manual, CD-Rom tutorial, hard shell case, cleaning card and pen, "Spiritlink" computer interface software (interface cable sold separately)