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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

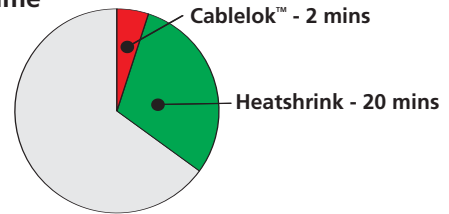


(1) Punch out base hole with port tool (2) Feed through cable



(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 |
| 857-50007 | 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 |
| 857-50021 | 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 |

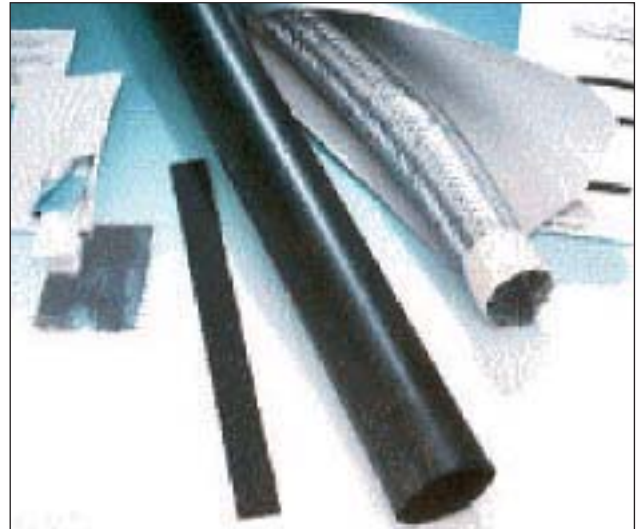
| Cablelok™ 'L' Series | | | | |
|----------------------|--------------|-------------------|------|----------|
| UNS No. | Reference | Cable Range (mm) | Size | Pack Qty |
| 857-50016 | CABLELOK1087 | 2 x 13.0 - 14.5 | L1 | 10 |
| 857-50017 | CABLELOK1088 | 2 x 16.5 - 18.0 | L2 | 10 |
| 857-50008 | CABLELOK1079 | 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

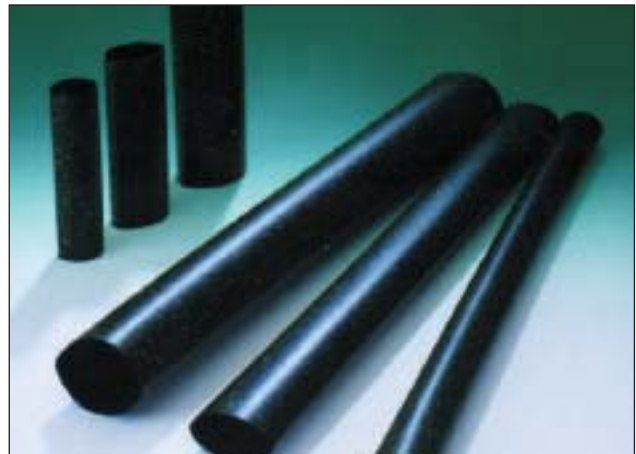
HS is a range of adhesive lined crosslinked polyolefin medium walled heatshrink sleeving used for sealing cable entries of external jointing closures for both fibre and copper cables. A selection of standard diameters and lengths are shown below but special lengths can be supplied to customer order.

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 accomodates 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 | BCL1938 | 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 | UFCA2685 | Complete Bracket | UFC, FML, FDN, CDJ |
| 857-40110 | FRBUA2820 | Complete Bracket | FRBU, FST, MRBU, RBU, LRBU |
| 857-40077 | FDNA3717* | Complete Bracket | FDN |
| 857-40015 | ACC2823 | Jaws Only | UFC, FML, FDN, CDJ |
| 857-40016 | ACC2824 | Jaws Only | FRBU, FST, MRBU, RBU, LRBU |

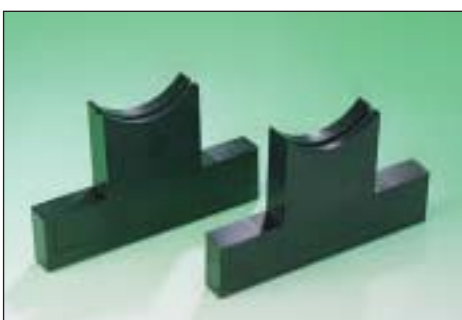
*Economy version - FDN only



UFCA2685 - Vertical Position



UFCA2685 - Horizontal Position



ACC2824 - Jaws Only

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 |