

CABLE JOINT PRODUCTS

Heat Shrink closure Non - Pressurized & Pressurized

RTSM

Dome Closure

RLSS

RPBS

Vault Closure

Lead Sleeve

Mechanical Closure

Pillar Dp Jointing Kit

Compound Splice Filling



Heat Shrink Closures Non-Pressurized Telephone Networks

ELFIT - RHS 550 Non-Pressurized Closure



RHS 550 utilize the latest state of art technology combining reinforced heat shrinkable polymers and high performance hot-melt adhesives to ensure reliable closure seal.

RHS 550 Joint closures are the most advanced heat-shrinkable closures available for the protection of cable joints in a telephone network

Elfit Arabia has pioneered in supplying all the materials needed by the joiner to complete the closure in one kit. Various kits are available for non-pressurized & pressurized cables, aerial, buried or ducted, non-filled or jelly filled, with lead or polyethylene sheaths.

Feature:

- Suitable for aerial, buried and ducted Applications
- Composite material provides high mechanical strength
- Range of closures to suit all cable sizes
- Up to 3 cable out at each end
- The T.I.M painted on the skin of Heat Shrinkable Closure Changes Colour, on heating
- Two white lines are seen under channels.
- Using the reinforced heat shrinkable closure with aluminum layer prevents tearing during installation.
- Simple kit components make installation fast and easy.
- No Special tool required.
- Can accommodate variety of cable diameters.
- Suitable to apply on shaped or circular cables
- Suitable for jointing, for any angle of incidence

ELFIT - RHS 550 Kit Contents



- Heat Shrinkable Sleeve
- Aluminum Canister (2 half shells)
- S.S. Channel with under clip if needed
- Abrasive Strip
- Desiccant (silica gel)
- Aluminum Cable Foil
- Cleaning Tissue
- Bonding Gauge
- Shield Continuity Wire
- Aluminum Foil Laminated (optional)
- Installation Instructions
- Branch-off Kit

ELFIT - Branch-off Kit Contents



- Branch-off Clip
- Shield Continuity Clip
- Connector
- Cleaning Tissue
- Aluminum Foil
- Cable Tie
- Abrasive Strip

*Each Standard ELFIT Closure Kit Contains one branch-off-kit

Heat Shrink Closures Non-Pressurized Telephone Networks

RTSM Protection of Lead Telephone Cable Splices



Corrosion protection and strain relief of lead jacketed telephone cable splices are provided by the **ELFIT – RTSM** heat-shrinkable wraparound system.

Installation is fast and simple, only normal cleaning procedures for lead jackets and a standard jointer's torch for shrinking the sleeve onto the splice area being needed.

| Product Code | Description – Size in mm |
|--------------|----------------------------|
| KI 0116 A | RTSM 43/8, Sleeve L=900 |
| KI 0117 A | RTSM 75/15, Sleeve L=1200 |
| KI 0118 A | RTSM 100/25, Sleeve L=1200 |
| KI 0119 A | RTSM 125/30, Sleeve L=1200 |
| KI 0120 A | RTSM 164/43, Sleeve L=1200 |
| KI 0121 A | RTSM 200/50, Sleeve L=1200 |

Dome Closure



Heat shrinkable radial distribution closures are re-entenable dome and clamp closures with the ease of installation, speed and reliability.

Accommodates main, looped cables of 20 to 100Pairs.

Additional capacity for up to 8 more cables from 2 to 20pairs which can be added at any time

A flexible mounting bracket enables Dome to be fitted in footway boxes or on poles.

| Product Code | Description – Size in mm |
|--------------|--------------------------|
| CL 0175 A | Dome Closure 100Pair |
| CL 0211 A | Dome Closure 200Pair |

Mechanical Closures



Feature:

- * Access to splice area as often as required without the need of spare parts and consumables.
- * High-quality sealing material guarantees watertight encapsulation of the splice area.
- * Closure housing made of plastic which withstand high mechanical load.
- * Easy and fast installation without additional energy e.g. gas or electricity.
- * Re-opening and re-closing of the closure very simple to handle.
- * Reliable strain relief system integrated in end caps
- * No harmful substances are used.

| Product Code | Description – Size in mm |
|--------------|--------------------------|
| CL 0219 C | Closure, UC 3-5 |
| CL 0220 C | Closure, UC 4-6 |

*Other Sizes of UC & UCN upon request

Heat Shrink Closures Non-Pressurized Telephone Networks

ELFIT - RHS 1000 – Pressurized Closure



RHS 1000 Wraparound Closure Kit for Pressurized Cables

- Glass fibre composite structure gives high split resistance
- Few components, fast and easy installation
- High "craft friendliness" enhanced by visual indicators for optimum installation
- Approval for 4 cables in or out
- Interchangeable air valve, air connector or low profile blanking screw
- Lead or polyethylene jacketed cables
- Can be used on single and double sheathed cables
- Range of closures to suit all cable sizes
- Hot-melt adhesive designed specifically for pressurized closure applications

RHS 1000 is the most advanced pressurized closure system available. It is based on a unique glass fibre reinforced heat-shrinkable composite material. This material offers extra ordinary mechanical and environmental protection. It reinforces split resistance during installation and has superior mechanical toughness. The closures have built-in visual indicators to ensure optimum installation under the most severe conditions.

RHS 1000 is quick and easy to install using only a standard gas torch. The closure is completely wraparound allowing it to be used for both new work and maintenance on ducted or direct buried cables with polyethylene, lead and aluminum sheathing up to 4800 pairs. Three fingered clips allow branching of up to four cables at each end. The kit also contains a range of fully interchangeable air fittings, which can be incorporated in the closure.

Ray Fort auxiliary Lead Sleeve (RLSS)



RLSS is a high performance heat-shrinkable wraparound sleeve, which provides a permanent bond between plastic cable jackets, and auxiliary lead sleeves used on lead splice closures

RLSS is suitable for buried and ducted applications. The composite material provides high mechanical strength and ease of installation in confined spaces. The adhesive coating is suitable for both lead and polyethylene substrates.

RLSS available in 4 sizes to suit all applications. Installation is effected using a standard joiner's torch.

| Product Code | Description – Size in mm |
|--------------|---------------------------|
| KI 0150 A | RLSS 45/08, Sleeve L=210 |
| KI 0151 A | RLSS 65/20, Sleeve L=250 |
| KI 0152 A | RLSS 95/30, Sleeve L=250 |
| KI 0149 A | RLSS 125/40, Sleeve L=330 |

Ray Fort Pressure Blocking System (RPBS)



RPBS forms a pressure block for the whole pressurized cable range.

The sleeve incorporates glass fibre reinforced material ensuring high mechanical strength and simple installation.

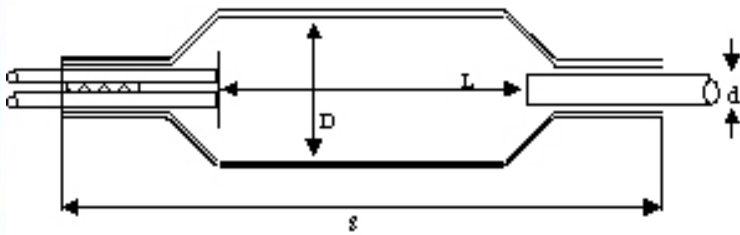
RPBS can be used on polyethylene or lead sheathed cables.

Selection chart for single sheathed cables

| Product Code | Description – Size in mm |
|--------------|--------------------------|
| KI 0028 A | RPBS 50/25-1 (S.O=150) |
| KI 0029 A | RPBS 75/50-1 (S.O=200) |
| KI 0027 A | RPBS 100/70-1 (S.O=250) |

Note: S.O = Sheath Opening. Also available RPBS for double sheathed cable upon request

Heat Shrink Closure RHS 550 & 1000 Selection Chart



D = Splice Bundle Diameter
 d = Min. Cable Dia
 L = Max. Joint Gap
 S = Overall Joint Length

All Dimensions in mm

Selection Chart RHS 550

| Product Code | Elfit Description | Splice Bundle Dia. D max | Cable Diameter d min | Max. Joint gap L | Overall Joint Length S | Branch off Clip |
|--------------|--------------------|-----------------------------|-------------------------|---------------------|---------------------------|-----------------|
| KI 0056 A | RHS 550-43/8-200 | 43 | 8 | 200 | 250 | Small |
| KI 0122 A | RHS 550-43/8-350 | 43 | 8 | 350 | 400 | Small |
| KI 0048 A | RHS 550-75/15-250 | 75 | 15 | 250 | 300 | Small |
| KI 0052 A | RHS 550-75/15-500 | 75 | 15 | 500 | 550 | Small |
| KI 0049 A | RHS 550-92/25-300 | 92 | 25 | 300 | 350 | Medium |
| KI 0039 A | RHS 550-92/25-500 | 92 | 25 | 500 | 550 | Medium |
| KI 0053 A | RHS 550-92/25-650 | 92 | 25 | 650 | 700 | Medium |
| KI 0054 A | RHS 550-122/30-300 | 122 | 30 | 300 | 350 | Medium |
| KI 0038 A | RHS 550-122/30-500 | 122 | 30 | 500 | 550 | Medium |
| KI 0050 A | RHS 550-122/30-650 | 122 | 30 | 650 | 700 | Medium |
| KI 0033 A | RHS 550-160/42-500 | 160 | 42 | 500 | 550 | Large |
| KI 0051 A | RHS 550-160/42-720 | 160 | 42 | 720 | 770 | Large |

Selection Chart RHS 1000

| Product Code | Elfit Description | Splice Bundle Dia. | | Cable Diameter D min | Sheath Opening L nom | Overall Length S | Max. Recommended Length sum of branch cable | | | Branch-off Clip |
|--------------|---------------------|--------------------|-------|-------------------------|-------------------------|---------------------|---|------|--------|-----------------|
| | | D max. | D min | | | | dia 2out | 3out | 4out | |
| KI 0061 A | RHS 1000-62/15-250 | 62 | 15 | 250 | 600 | 52 | 40 | | Medium | |
| KI 0063 A | RHS 1000-62/15-350 | 62 | 15 | 350 | 690 | 52 | 40 | | Medium | |
| KI 0064 A | RHS 1000-92/30-350 | 92 | 30 | 350 | 690 | 82 | 70 | 58 | Medium | |
| KI 0060 A | RHS 1000-92/30-500 | 92 | 30 | 500 | 850 | 82 | 70 | 58 | Medium | |
| KI 0062 A | RHS 1000-122/38-500 | 122 | 38 | 500 | 870 | 112 | 100 | 88 | Medium | |
| KI 0065 A | RHS 1000-160/55-650 | 160 | 55 | 650 | 1050 | 142 | 130 | 118 | Large | |
| KI 0066 A | RHS 1000-200/65-720 | 200 | 65 | 720 | 1150 | 172 | 160 | 148 | Large | |

* Any other sizes available upon request

Heat Shrink Closures Non-Pressurized Telephone Networks

Vault Closure



The Vault Closure System is used for the distribution of telecommunication cables in telephone exchanges. Mechanical Strength and heat resistance are integrated by the reinforced heat shrinkable sleeve.

Characteristics:

- Metal canister provides extremely high mechanical load bearing capacity
- Hot melt adhesive reliably seals the splice against humidity
- Only 5 sizes are needed for any type of cable; capacity up to 2000 Pairs
- Reopening of the splice area for testing and measuring possible
- No special tools required

| Product Code | VCKT Size | Joint L | Outer Ø Splice Prot. | Cable Ø min | Sleeve Length |
|--------------|-----------|---------|----------------------|-------------|---------------|
| KI 0148 A | 90-3 | 510 | 85 | 30 | 650 |
| KI 0144 A | 125-6 | 510 | 120 | 35 | 850 |
| KI 0145 A | 125-9 | 740 | 120 | 35 | 1000 |
| KI 0146 A | 155-12 | 740 | 152 | 55 | 1000 |
| KI 0147 A | 205-20 | 740 | 196 | 65 | 1000 |

Pure Lead Sleeve Closures



Made of pure lead sleeve used for cable jointing.

| Product Code | Inner Ø x Outer Ø x L x T |
|--------------|---------------------------|
| LE 0034 A | 25 x 29 x 1000mm x 2mm |
| LE 0041 A | 45 x 49 x 700mm x 2mm |
| LE 0045 A | 65 x 69 x 1000mm x 2mm |
| LE 0004 A | 100 x 106 x 1000mm x 3mm |
| LE 0010 A | 120 x 126 x 1000mm x 3mm |
| LE 0017 A | 150 x 158 x 1000mm x 3mm |
| LE 0021 A | 160 x 168 x 1000mm x 4mm |
| LE 0025 A | 170 x 178 x 1000mm x 4mm |
| LE 0030 A | 180 x 190 x 700mm x 5mm |
| LE 0032 A | 190 x 200 x 2000mm x 5mm |
| LE 0033 A | 200 x 210 x 2000mm x 5mm |

***Any other Size/ length available on request also available auxiliary Lead Sleeves for Cable Joints**

Cable Joining Protection Products

Compound, Splice Filling



Used to encapsulate and provide waterproof protection for underground buried, or aerial cable joints in non-pressurized or filled cables, such as CEF, CEFE and EEMS

| Product Code | Description – Size in mm |
|--------------|---------------------------|
| CO 0018 A | 500g Splice Filling Kit |
| CO 0014 A | 1kg Splice Filling Kit |
| CO 0019 A | 1.5 kg Splice Filling Kit |
| CO 0020 A | 5 kg Splice Filling Kit |
| CO 0015 A | 8 kg Splice Filling Kit |
| CO 0016 A | 10kg Splice Filling Kit |
| CO 0017 A | 15kg Splice Filling Kit |

* Any other Sizes available on request

Epoxy Resin, Compound & Hardener



The Compound, Block Encapsulating is Composed of two Components an **epoxy resin** with a mixture of a filler, and a suitable setting agent or **Hardener**.

The Compound is used to encapsulate and provide a pressure plug in air core stub cable terminations on various types of terminal block

| Product Code | Description – Size in mm |
|--------------|-------------------------------|
| CO 0006 A | Compound, Epoxy Resin 1 Kg |
| CO 0008 A | Compound, Epoxy Resin 0.5Kg |
| CO 0009 A | Compound, Epoxy Resin 0.25 Kg |
| HA 0016 A | Hardener 200g |
| HA 0017 A | Hardener 100g |
| HA 0019 A | Hardener 50g |

*Any other Size available on request

C - Cement



Used as an adhesive coating when making pressure tight joints and connections on cable sheaths

| Product Code | Description |
|--------------|------------------|
| CE 0001 A | C – Cement 118ml |

Dessicant



| Product Code | Description – Size in mm |
|--------------|-----------------------------|
| DE 0001 A | Dessicant Powder 0.25Kg/can |
| DE 0002 A | Dessicant Powder 1.00Kg/can |

Joining Kit Closure

Joining Kit – Type 50



Type 50 Joining kit is able to accommodate

One 10mm OD secondary cable, with one 10Pair stub cable (min)

Two 30mm OD secondary cables, with two 10Pair stub cables (max)

Closure Kit Consists

- Closure Ethylene Propylene Diene Monomer–EPDM
- Protective Tape
- Butyl Putty Tape
- DR Tape
- Electro Tape
- Cable Tie
- Terminal Block (optional)
- Sealing Gasket (optional)

| Product Code | Description |
|--------------|-----------------------|
| KI 0073 A | Kit, Jointing Type 50 |

Joining Kit – Type 100



Type 100 Joining kit is able to accommodate

Two 30mm OD secondary cables, with one 10Pair cable (min)

Two 45mm OD secondary cables, with two 10Pair stub cables (max)

Closure Kit Consists same as Type 50

| Product Code | Description |
|--------------|------------------------|
| KI 0072 A | Kit, Jointing Type 100 |

Joining Kit – for Ericsson Cabinet



- Closure Ethylene Propylene Diene Monomer–EPDM
- Protective Tape
- Butyl Putty Tape
- DR Tape
- Electro Tape
- Cable Tie
- Terminal Block (optional)
- Sealing Gasket (optional)

Joint Kit Closure for Ericsson Cabinet Joint Protection

| Product Code | Description – Size in mm |
|--------------|---|
| KI 0074 A | Kit, Jointing Closure for Ericsson Cabinets |

* Any other Sizes available on request