

## Insulation kit for splicing

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# Heat shrink connectors - Shearbolt connectors with heat shrink insulation, 1kV

## Complete kits - click & heat

Complete kits for easy splicing of 1 kV plastic insulated 3-, 4- and 5-conductors.

The kit consists of shearbolt connectors with partition and heat shrink insulation. The connection between the cable and the through connector is done by means of screws in a shearbolt terminal. Insulation is done with suitable heat shrink insulation.



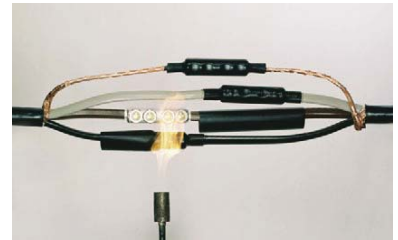
Kit for 5-conductor cable.

## This is how it works:

- The cable conductor is spliced with a shearbolt connector fitted with torque screws that shear when the correct torque is reached.
- The different phase conductors are insulated with heat shrink insulation of polyolefin.
- The insulation is internally coated with adhesive that melts when heated
- When the adhesive is pressed forward out of the shrunken body, the installation is finished and the joint becomes entirely watertight.
- Sector-shaped conductors do not need to be rounded.
- With the attached filler piece you can easily splice a 3+1 cable to a 4G cable.



Conductors are spliced using shearbolt connectors Tighten the screw using a socket wrench, until it shears in the cut-off groove.



Shrinkage of the insulation is achieved by using heat.

## Shearbolt connectors with heat shrink insulation, 1kV

Kit for splicing 3-, 4- and 5-conductor cable according to IEC 60228. For both Cu/Al solid and stranded conductors.



Cable type round mm <sup>2</sup>	Cable type sector mm <sup>2</sup>	Name	Note
10-50	16-50	KSC50N-1-4HS	1 outer jacket, 4 SC50N, 4 inner tubes and abrasive cloth.
10-50	16-50	KSC50N-1-5HS	1 outer jacket, 5 SC50N, 5 inner tubes and abrasive cloth.
35-95	50-95	KSC95N-1-4HS	1 outer jacket, 4 SC95N, 4 inner tubes and abrasive cloth.
35-95	50-95	KSC95N-1-5HS	1 outer jacket, 4 SC95N, 5 inner tubes and abrasive cloth.
70-150	70-150	KSC150N-1-4HS	1 outer jacket, 4 SC150N, 4 inner tubes and abrasive cloth.
70-150	70-150	KSC150N-1-5HS	1 outer jacket, 5 SC150N, 5 inner tubes and abrasive cloth.
95-240	95-240	KSC240N-1-4HS	1 outer jacket, 4 SC240N, 4 inner tubes and abrasive cloth.
95-240	95-240	KSC240N-1-5HS	1 outer jacket, 5 SC240N, 5 inner tubes and abrasive cloth.

## Heat shrink connectors - Crimp connectors with heat shrink insulation, 1kV

### Complete kits - crimp & heat

Connector kit for splicing 1 kV plastic insulated 4G or 5G cable of stranded Al conductor 16-25 mm<sup>2</sup>, and for splicing or transitioning to Cu 10-16 mm<sup>2</sup> class 1, 2, 5 or 6.

The kit consists of heat shrink insulation and joint sleeves, which can take a wide range of cable. The concept includes a through connector for transition between the copper cable and the aluminium cable. Used to splice Al cable for lighting and services.

You only need one tool to crimp through connectors and you can choose between a hand tool or a crimp die with an open matrix that fits in Elpress 6-tonne tool systems.

### This is how it works:

- The conductors are spliced with sleeves AS1625, AKS1625-1016 or KSF16.
- Use Elpress pliers EW1025, or TB die pair TBKA9-11.5 with 600 system.
- The inner and outer tubes of the insulation are dimensioned which means they can be easily applied and then shrunk using heat.
- The length of insulation is adapted to safely cover the cable's primary and sheath insulation
- The insulation is thick-walled and coated with a lot of adhesive that makes the joint waterproof and robust in the face of external influences.
- Meets the requirements in SS-EN 50393, EBR KJ 24:89 The through connectors are tested and approved according to EN 61238-1.



Kit for 4G cable.



Kit for 5G cable.



Shrinkage of the insulation is achieved by using heat.

## Crimp connectors with heat shrink insulation, 1kV

Kit for splicing 4- or 5G cable of stranded Al-conductor 16-25 mm<sup>2</sup> according to IEC60228, and for splicing or transitioning to Cu 10-16 mm<sup>2</sup> class 1, 2, 5 or 6.

Meets the requirements in SS-EN 50393, EBR KJ 24:89



Stranded Al mm <sup>2</sup>	mm <sup>2</sup> (Cu)	Name	Tool	Pcs/pack	Note
16-25	10-16	KHS-AKS1025-4	V600, EW1025	4	Contents: 1 outer jacket, 4 AKS16-25-1016, 4 inner tubes and abrasive cloth.
16-25	10-16	KHS-AKS1025-5	V600, EW1025	5	Contents: 1 outer jacket, 5 AKS16-25-1016, 5 inner tubes and abrasive cloth.
16-25		KHS-AS1625-4	V600, EW1025	4	Contents: 1 outer jacket, 4 AS1625, 4 inner tubes and abrasive cloth.
16-25		KHS-AS1625-5	V600, EW1025	5	Contents: 1 outer jacket, 5 AS1625, 5 inner tubes and abrasive cloth.

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## Complete joint kit for crimping Al 50-240 mm<sup>2</sup>, 1 kV

Joint kit for splicing Al conductors 50-240 mm<sup>2</sup>. MultiCrimp Punch crimping for low voltage applications (1 kV) according to IEC 60228, with the 1300-system.



mm <sup>2</sup>	Cable type round mm <sup>2</sup>	Cable type sector mm <sup>2</sup>	Name	Note
50-95	50-95	50-95	KHS-AS5095-1-4	1 outer heat shrink tube, 4 connectors, 4 inner heat shrink tube, 1 cleaning kit and manual
120-150	120-150	120-150	KHS-AS120150-1-4	1 outer heat shrink tube, 4 connectors, 4 inner heat shrink tube, 1 cleaning kit and manual
185-240	185-240	185-240	KHS-AS185240-1-4	1 outer heat shrink tube, 4 connectors, 4 inner heat shrink tube, 1 cleaning kit and manual