

Alco

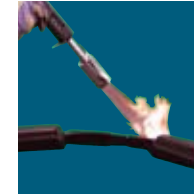
Wattmaster
where quality counts



Low Voltage Cable Joining & Heatshrink Catalogue

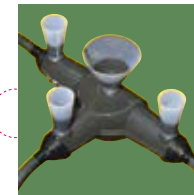
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Selecting the Right Tube for the Joint:

Select your heatshrink depending on the thickness of the cable and the environment that the joint will operate in; for example, thick wall glue lined for maximum protection, medium wall glue lined for medium protection and thin wall glue lined for general protection [see page 6].

Outer Tube:

Select the tube size that will shrink to approximately 1/5 smaller than the outside diameter of the cable. For the overall heatshrink tube, allow a length that is 12 times the outside diameter of the cable, plus the exposed length of the joint.

Inner Tube:

The inner tube size should be 5 times the cable outside diameter, plus the length of the link selected for the joint [see links on page 13]. This length can change depending on the type of joint. There are two types of joints; Symmetrical joint and Staggered joint. The staggered joint has the lowest profile and best insulation. However, it is also the longest joint. The symmetrical joint has the bulkiest profile but the shortest length of joint.

Heatshrink Troubleshooting:

Q: Why doesn't my heatshrink joint look right?

A: There are a couple of reasons why a heatshrink joint may fail and they include; overheating, unequal heating, heating the start/rear of a joint or unprepared cable.

i Overheating:

If you are using a flame torch, ensure that the flame is yellow and that you don't concentrate on one area too much. Make sure you rotate the flame around the cable at all times. You will know whether the heatshrink has been overheated if it turns dusty grey.

ii Unequal Heating:

This is caused by applying more heat to one side than the other. Because the glue in glue lined heatshrink is heat activated, it is designed to melt below the shrinkage point. A moisture path into the joint is created when the glue does not melt evenly.

iii Heating the rear of a joint:

In some circumstances you may be unable to get access to the rear of a joint. The best way to do this is to use a heat deflector which is a curved piece of tin plate [see heating kit on page 9].

iv Unprepared cable:

The cable needs to be clean and abraded. Check the outer cable core is wiped with a rag and methylated spirits, and then slightly heated to dry off any excess moisture to produce a superior bond [see page 27].

Performing the Heatshrink Joint:

Step 1 - Remove the outer sheath of the cable to uncover core wires.

Step 2 - Cut and strip the core wires to suit the copper links.

Step 3 - Cable should be cleaned with a clean rag and methylated spirits etc [see cleaners/degreasers on page 27].

Step 4 - Abrade the insulation on both ends and slide the inner heatshrink sleeves over cores, and the outer heat shrink sleeve over the whole cable [see sanding cloth on page 27].

Step 5 - Make sure all conductors are connected properly and remove any sharp edges.

Step 6 - Insert inner heatshrink over the connectors. Start heatshrinking from the middle and work your way to the ends.

Step 7 - Make sure that you apply equal heat around the whole joint, including front and back.

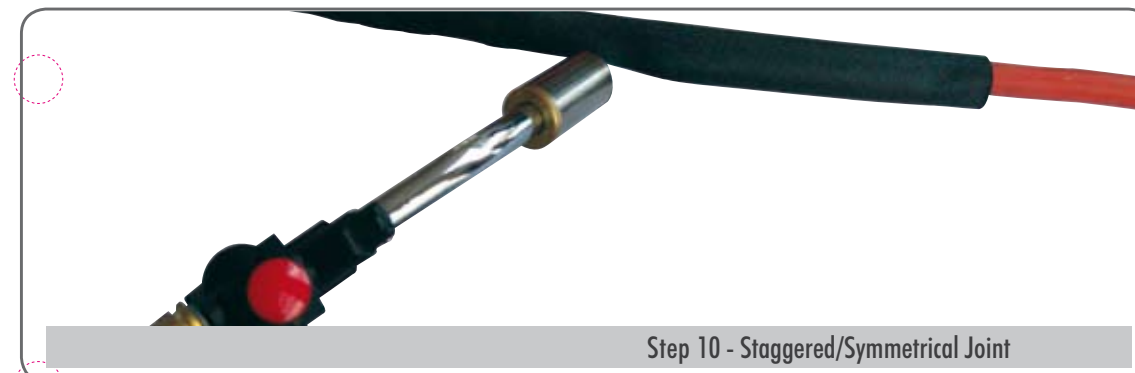
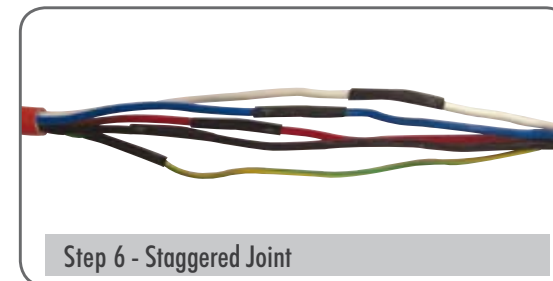
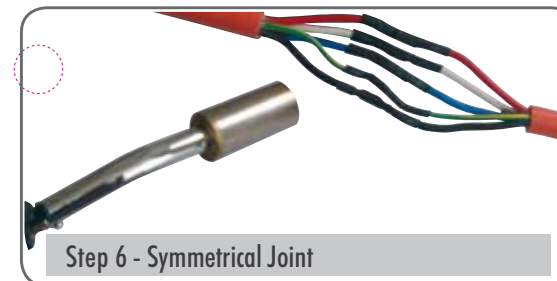
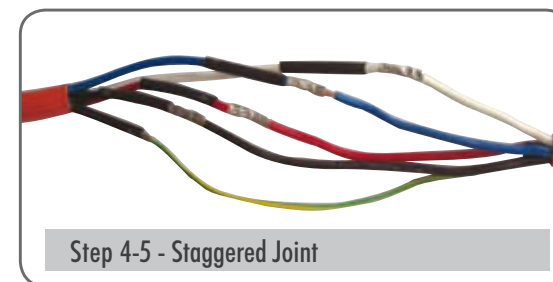
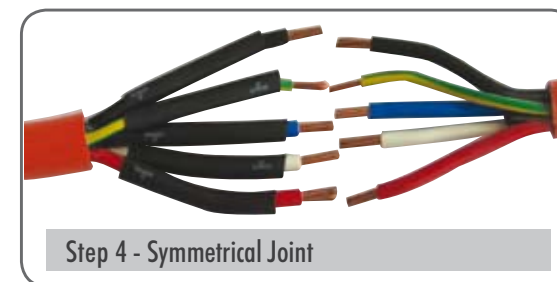
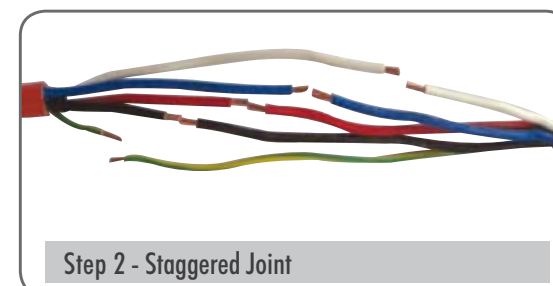
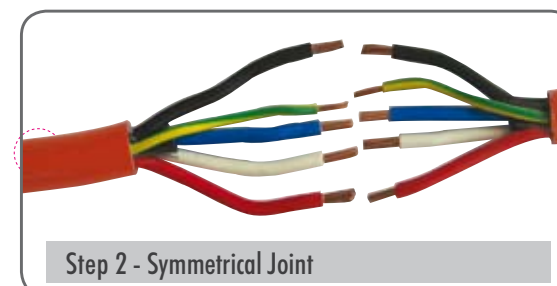
Step 8 - To create an extra barrier tape both ends of the cable outer joint [see tapes on page 22].

Step 9 - Re-connect any shields or shelling [see earthing accessories on page 26].

Step 10 - Slide the outer heatshrink sleeve over the exposed cores and heat, making sure that equal heat is applied around the whole joint. Make sure you do not overheat.

Step 11 - You will know when to stop shrinking once the tube fits firmly on the cable without folds or creases.

Step 12 - Allow tube to cool down.



Alco has three heatshrink tubing ranges to choose from depending on the type of application

1 Thin wall range

The Thin Wall range is for general purpose use and is available in a number of colours [blue, black, clear, red, green, yellow & yellow/green] for insulation colour coding and cable terminations.

2 Medium wall range

The Medium Wall range is also for general purpose use, but is glue lined and waterproof. It is available in black only for waterproof cable joints and terminations.

3 Thick wall range

The Thick Wall range is for heavy duty purpose use and, like the medium wall range, is glue lined for greater mechanical strength. This range is available in black only for major cable joints and terminations.

To view Alco's heatshrink tubing ranges please see next page.



Thick Wall



Medium Wall



Thin Wall

| Part No | Description | Diameter as supplied (mm) | Fully recovered diameter after heating (mm) | Fully recovered wall thickness (mm) | Length (m) |
|-----------------|---|---------------------------|---|-------------------------------------|------------|
| Thick Wall | | | | | |
| HSTKWGL13/4 | Thick Wall Heatshrink, Glue lined, 13/4mm, Black | 13.00 | 4.0 | 2.00 - 2.80 | 1.2 |
| HSTKWGL19/6 | Thick Wall Heatshrink, Glue lined, 19/6mm, Black | 19.00 | 6.0 | 2.00 - 2.80 | 1.2 |
| HSTKWGL28/9 | Thick Wall Heatshrink, Glue lined, 28/9mm, Black | 28.00 | 9.0 | 2.90 - 3.08 | 1.2 |
| HSTKWGL38/12 | Thick Wall Heatshrink, Glue lined, 38/12mm, Black | 38.00 | 12.0 | 3.97 - 4.16 | 1.2 |
| HSTKWGL51/16 | Thick Wall Heatshrink, Glue lined, 51/16mm, Black | 51.00 | 16.0 | 3.91 - 4.24 | 1.2 |
| HSTKWGL68/22 | Thick Wall Heatshrink, Glue lined, 68/22mm, Black | 68.00 | 22.0 | 3.90 - 4.20 | 1.2 |
| HSTKWGL90/30 | Thick Wall Heatshrink, Glue lined, 90/30mm, Black | 90.00 | 30.0 | 3.92 - 4.21 | 1.2 |
| HSTKWGL130/36 | Thick Wall Heatshrink, Glue lined, 130/36mm, Black | 130.00 | 36.0 | 4.07 - 4.29 | 1.2 |
| Medium Wall | | | | | |
| HSMWGL10/3 | Medium Wall Heatshrink, Glue lined, 10/3mm, Black | 10.00 | 3.0 | 0.90 - 1.30 | 1.2 |
| HSMWGL16/5 | Medium Wall Heatshrink, Glue lined, 16/5mm, Black | 16.00 | 5.0 | 1.40 - 2.00 | 1.2 |
| HSMWGL25/8 | Medium Wall Heatshrink, Glue lined, 25/8mm, Black | 25.00 | 8.0 | 1.80 - 2.40 | 1.2 |
| HSMWGL35/12 | Medium Wall Heatshrink, Glue lined, 35/12mm, Black | 35.00 | 12.0 | 1.90 - 2.08 | 1.2 |
| HSMWGL50/16 | Medium Wall Heatshrink, Glue lined, 50/16mm, Black | 50.00 | 16.0 | 1.94 - 2.10 | 1.2 |
| HSMWGL85/25 | Medium Wall Heatshrink, Glue lined, 85/25mm, Black | 85.00 | 25.0 | 2.91 - 3.10 | 1.2 |
| HSMWGL115/34 | Medium Wall Heatshrink, Glue lined, 115/34mm, Black | 115.00 | 34.0 | 3.21 - 3.40 | 1.2 |
| HSMWGL140/42 | Medium Wall Heatshrink, Glue lined, 140/42mm, Black | 140.00 | 42.0 | 4.51 - 4.61 | 1.2 |
| Thin Wall | | | | | |
| HSTNW1.5/0.75BK | Thin Wall Heatshrink 1.5/0.75mm Black | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75BL | Thin Wall Heatshrink 1.5/0.75mm Blue | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75CL | Thin Wall Heatshrink 1.5/0.75mm Clear | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75G | Thin Wall Heatshrink 1.5/0.75mm Green | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75RD | Thin Wall Heatshrink 1.5/0.75mm Red | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75WH | Thin Wall Heatshrink 1.5/0.75mm White | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75Y | Thin Wall Heatshrink 1.5/0.75mm Yellow | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW1.5/0.75YG | Thin Wall Heatshrink 1.5/0.75mm Yellow/Green | 2.00 | 0.75 | 0.40 | 1.2 |
| HSTNW2.0/1.0BK | Thin Wall Heatshrink 2.0/1.0mm Black | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0BL | Thin Wall Heatshrink 2.0/1.0mm Blue | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0CL | Thin Wall Heatshrink 2.0/1.0mm Clear | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0RD | Thin Wall Heatshrink 2.0/1.0mm Red | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0WH | Thin Wall Heatshrink 2.0/1.0mm White | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0Y | Thin Wall Heatshrink 2.0/1.0mm Yellow | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.0/1.0YG | Thin Wall Heatshrink 2.0/1.0mm Yellow/Green | 2.50 | 1.00 | 0.40 | 1.2 |
| HSTNW2.5/1.25BK | Thin Wall Heatshrink 2.5/1.25mm Black | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25BL | Thin Wall Heatshrink 2.5/1.25mm Blue | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25CL | Thin Wall Heatshrink 2.5/1.25mm Clear | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25G | Thin Wall Heatshrink 2.5/1.25mm Green | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25RD | Thin Wall Heatshrink 2.5/1.25mm Red | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25WH | Thin Wall Heatshrink 2.5/1.25mm White | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25Y | Thin Wall Heatshrink 2.5/1.25mm Yellow | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW2.5/1.25YG | Thin Wall Heatshrink 2.5/1.25mm Yellow/Green | 3.00 | 1.20 | 0.44 | 1.2 |
| HSTNW5.0/2.5BK | Thin Wall Heatshrink 5.0/2.5mm Black | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5BL | Thin Wall Heatshrink 5.0/2.5mm Blue | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5CL | Thin Wall Heatshrink 5.0/2.5mm Clear | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5G | Thin Wall Heatshrink 5.0/2.5mm Green | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5RD | Thin Wall Heatshrink 5.0/2.5mm Red | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5WH | Thin Wall Heatshrink 5.0/2.5mm White | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5Y | Thin Wall Heatshrink 5.0/2.5mm Yellow | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW5.0/2.5YG | Thin Wall Heatshrink 5.0/2.5mm Yellow/Green | 5.40 | 2.50 | 0.56 | 1.2 |
| HSTNW7.0/3.55BK | Thin Wall Heatshrink 7.0/3.55mm Black | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55BL | Thin Wall Heatshrink 7.0/3.55mm Blue | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55CL | Thin Wall Heatshrink 7.0/3.55mm Clear | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55G | Thin Wall Heatshrink 7.0/3.55mm Green | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55RD | Thin Wall Heatshrink 7.0/3.55mm Red | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55WH | Thin Wall Heatshrink 7.0/3.55mm White | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55Y | Thin Wall Heatshrink 7.0/3.55mm Yellow | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW7.0/3.55YG | Thin Wall Heatshrink 7.0/3.55mm Yellow/Green | 7.40 | 3.50 | 0.60 | 1.2 |
| HSTNW10.0/5.0BK | Thin Wall Heatshrink 10.0/5.0mm Black | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0BL | Thin Wall Heatshrink 10.0/5.0mm Blue | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0CL | Thin Wall Heatshrink 10.0/5.0mm Clear | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0G | Thin Wall Heatshrink 10.0/5.0mm Green | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0RD | Thin Wall Heatshrink 10.0/5.0mm Red | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0WH | Thin Wall Heatshrink 10.0/5.0mm White | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0Y | Thin Wall Heatshrink 10.0/5.0mm Yellow | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW10.0/5.0YG | Thin Wall Heatshrink 10.0/5.0mm Yellow/Green | 10.40 | 5.00 | 0.60 | 1.2 |
| HSTNW13/6.5BK | Thin Wall Heatshrink 13/6.5mm Black | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW13/6.5BL | Thin Wall Heatshrink 13/6.5mm Blue | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW13/6.5CL | Thin Wall Heatshrink 13/6.5mm Clear | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW13/6.5RD | Thin Wall Heatshrink 13/6.5mm Red | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW13/6.5WH | Thin Wall Heatshrink 13/6.5mm White | 13.40 | 6.50 | 0.68 | 1.2 |

Thin wall heatshrink available in various spool lengths upon request

| Part No | Description | Diameter as supplied (mm) | Fully recovered diameter after heating (mm) | Fully recovered wall thickness (mm) | Length (m) |
|---------------|--|---------------------------|---|-------------------------------------|------------|
| Thin Wall | | | | | |
| HSTNW13/6.5Y | Thin Wall Heatshrink 13/6.5mm Yellow | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW13/6.5YG | Thin Wall Heatshrink 13/6.5mm Yellow/Green | 13.40 | 6.50 | 0.68 | 1.2 |
| HSTNW18/9BK | Thin Wall Heatshrink 18/9mm Black | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9BL | Thin Wall Heatshrink 18/9mm Blue | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9CL | Thin Wall Heatshrink 18/9mm Clear | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9G | Thin Wall Heatshrink 18/9mm Green | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9RD | Thin Wall Heatshrink 18/9mm Red | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9WH | Thin Wall Heatshrink 18/9mm White | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9Y | Thin Wall Heatshrink 18/9mm Yellow | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW18/9YG | Thin Wall Heatshrink 18/9mm Yellow/Green | 18.40 | 9.00 | 0.76 | 1.2 |
| HSTNW22/11BK | Thin Wall Heatshrink 22/11mm Black | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11BL | Thin Wall Heatshrink 22/11mm Blue | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11CL | Thin Wall Heatshrink 22/11mm Clear | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11G | Thin Wall Heatshrink 22/11mm Green | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11RD | Thin Wall Heatshrink 22/11mm Red | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11WH | Thin Wall Heatshrink 22/11mm White | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11Y | Thin Wall Heatshrink 22/11mm Yellow | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW22/11YG | Thin Wall Heatshrink 22/11mm Yellow/Green | 22.50 | 11.00 | 0.78 | 1.2 |
| HSTNW40/20BK | Thin Wall Heatshrink 40/20mm Black | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20BL | Thin Wall Heatshrink 40/20mm Blue | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20CL | Thin Wall Heatshrink 40/20mm Clear | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20G | Thin Wall Heatshrink 40/20mm Green | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20RD | Thin Wall Heatshrink 40/20mm Red | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20WH | Thin Wall Heatshrink 40/20mm White | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20Y | Thin Wall Heatshrink 40/20mm Yellow | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW40/20YG | Thin Wall Heatshrink 40/20mm Yellow/Green | 40.50 | 20.00 | 0.98 | 1.2 |
| HSTNW50/25BK | Thin Wall Heatshrink 50/25mm Black | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25BL | Thin Wall Heatshrink 50/25mm Blue | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25CL | Thin Wall Heatshrink 50/25mm Clear | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25G | Thin Wall Heatshrink 50/25mm Green | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25RD | Thin Wall Heatshrink 50/25mm Red | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25WH | Thin Wall Heatshrink 50/25mm White | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25Y | Thin Wall Heatshrink 50/25mm Yellow | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW50/25YG | Thin Wall Heatshrink 50/25mm Yellow/Green | 50.50 | 25.00 | 0.98 | 1.2 |
| HSTNW70/35BK | Thin Wall Heatshrink 70/35mm Black | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35BL | Thin Wall Heatshrink 70/35mm Blue | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35CL | Thin Wall Heatshrink 70/35mm Clear | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35G | Thin Wall Heatshrink 70/35mm Green | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35RD | Thin Wall Heatshrink 70/35mm Red | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35WH | Thin Wall Heatshrink 70/35mm White | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35Y | Thin Wall Heatshrink 70/35mm Yellow | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW70/35YG | Thin Wall Heatshrink 70/35mm Yellow/Green | 70.50 | 35.00 | 1.10 | 1.2 |
| HSTNW100/50BK | Thin Wall Heatshrink 100/50mm Black | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50BL | Thin Wall Heatshrink 100/50mm Blue | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50CL | Thin Wall Heatshrink 100/50mm Clear | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50G | Thin Wall Heatshrink 100/50mm Green | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50RD | Thin Wall Heatshrink 100/50mm Red | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50WH | Thin Wall Heatshrink 100/50mm White | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50Y | Thin Wall Heatshrink 100/50mm Yellow | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW100/50YG | Thin Wall Heatshrink 100/50mm Yellow/Green | 100.00 | 50.00 | 1.20 | 1.2 |
| HSTNW120/60BK | Thin Wall Heatshrink 120/60mm Black | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60BL | Thin Wall Heatshrink 120/60mm Blue | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60CL | Thin Wall Heatshrink 120/60mm Clear | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60RD | Thin Wall Heatshrink 120/60mm Red | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60WH | Thin Wall Heatshrink 120/60mm White | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60Y | Thin Wall Heatshrink 120/60mm Yellow | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW120/60YG | Thin Wall Heatshrink 120/60mm Yellow/Green | 120.00 | 60.00 | 1.30 | 1.2 |
| HSTNW150/75BK | Thin Wall Heatshrink 150/75mm Black | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75BL | Thin Wall Heatshrink 150/75mm Blue | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75CL | Thin Wall Heatshrink 150/75mm Clear | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75RD | Thin Wall Heatshrink 150/75mm Red | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75WH | Thin Wall Heatshrink 150/75mm White | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75Y | Thin Wall Heatshrink 150/75mm Yellow | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW150/75YG | Thin Wall Heatshrink 150/75mm Yellow/Green | 149.00 | 74.50 | 1.90 | 1.2 |
| HSTNW200/75BK | Thin Wall Heatshrink 200/75mm Black | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75BL | Thin Wall Heatshrink 200/75mm Blue | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75CL | Thin Wall Heatshrink 200/75mm Clear | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75RD | Thin Wall Heatshrink 200/75mm Red | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75WH | Thin Wall Heatshrink 200/75mm White | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75Y | Thin Wall Heatshrink 200/75mm Yellow | 199.00 | 75.00 | 1.90 | 1.2 |
| HSTNW200/75YG | Thin Wall Heatshrink 200/75mm Yellow/Green | 199.00 | 75.00 | 1.90 | 1.2 |

Thin wall heatshrink available in various spool lengths upon request



Heatshrink Tube - Thin, Medium and Thick Wall Range

Purpose:
Heatshrink is ideally used for electrical insulation, termination, splicing, bundling, cable protection and strain relief

Specifications:
Low Shrink Temperature, Flame Retardant, Flexible and UV Resistant

Shrink Temperature:
Above 110 °C

Shrink Ratio:
Radial Shrinking Ratio:
> 50%

Longitudinal Shrinking Ratio:
< 10%

Operating Temperature:
-55 °C to +125 °C

Standard Colours:
Medium and Thick Wall range available in black colour only

Thin Wall range available in Blue, Clear, Green, White, Red, Black, Yellow and Yellow/Green

Listed in the table below are the technical specifications for Alco thin, medium and thick wall heatshrink ranges.

| Specifications | | | |
|---------------------------|-------------|---|------------------------|
| Property | Test Method | Index | Performance |
| Physical | | | |
| Tensile Strength (MPa) | UL224 | not less than 12.0MPa | 15.5 |
| Elongation at break (%) | UL224 | not less than 450% | 580 |
| Heat aging performance | UL224 | | PASS |
| Electron | | | |
| High Voltage (kV/mm) | UL224 | not less than 2.5kV | 28 |
| Volume Resistivity (Ω cm) | ASTMD257 | not less than 2x10 ¹⁴ ohm/cm | 2.8 x 10 ¹⁴ |
| Chemical | | | |
| Dielectric constant | ASTMD150 | not more than 3.5 | Pass |
| Flame Stability | UL V w-1 | Pass | Pass |
| Breakdown Voltage | | not less than 20kV/mm | |
| Water Absorption | | not more than 0.2% | |

| General Purpose Heatshrink Kit | | ALCHSKIT 1 |
|--------------------------------|---|------------|
| Contents | | |
| Part No. | Description | |
| HSTNW2.5/1.25 | 55mm lengths available in a variety of colours | |
| HSTNW5.0/2.5 | 55mm lengths available in a variety of colours | |
| HSTNW7.0/3.55 | 55mm lengths available in a variety of colours | |
| HSTNW10.0/5.0 | 55mm lengths available in a variety of colours | |
| HSTNW13/6.5 | 55mm lengths available in a variety of colours | |
| HSTNW18/9 | 250mm lengths available in a variety of colours | |
| HSTNW22/11 | 250mm lengths available in a variety of colours | |



ALCHSKIT 1

| Multi Purpose Heatshrink Kit | | ALCHSKIT 2 |
|------------------------------|--|------------|
| Contents | | |
| Part No. | Description | |
| HSTNW2.5/1.25 | 55mm lengths available in a variety of colours | |
| HSTNW5.0/2.5 | 55mm lengths available in a variety of colours | |
| HSTNW7.0/3.55 | 55mm lengths available in a variety of colours | |
| HSTNW10.0/5.0 | 55mm lengths available in a variety of colours | |
| HSTNW13/6.5 | 55mm lengths available in a variety of colours | |
| HSTNW18/9 | 55mm lengths available in a variety of colours | |
| HSTNW22/11 | 55mm lengths available in a variety of colours | |
| HSMWGL10/3 | 250mm lengths available in black only | |
| HSMWGLW25/8 | 250mm lengths available in black only | |



ALCHSKIT 2

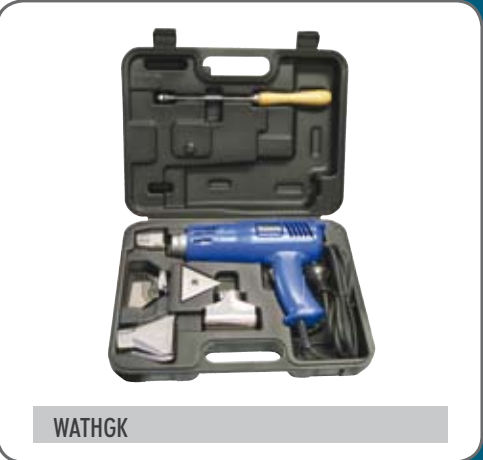


Alco has an extensive range of electrical connectors for joining electrical circuits together. Our range consists of pre-insulated terminals, lugs and links, tooling and special kits.

To view our complete range please see our Pre-insulated Terminals, Lugs and Links Catalogue for more information.

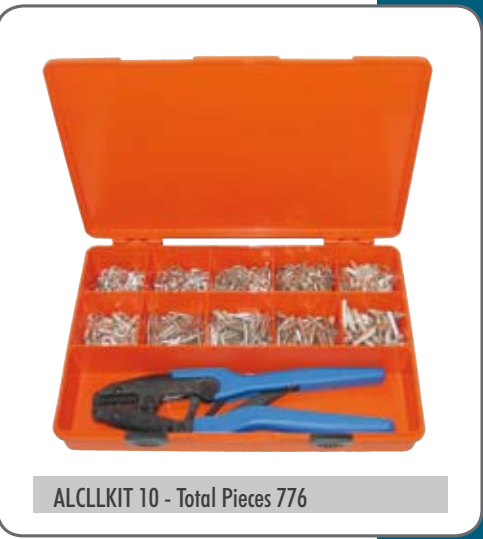
For a FREE copy of our catalogue please call our service centre on 1300 300 747

| Features | | |
|--|----------------------------------|--------|
| • 2000W powered heat gun | • 6 piece accessory set included | |
| • 2 heat settings: 300 °C & 500 °C | • 230V, 50Hz input power | |
| • Ceramic element | • 4 nozzles | |
| • Rocket switch type | • Hanging ring | |
| • Handsfree standing base | • 12 month warranty | |
| • Convenient protective carry case for storing heat gun included | | |
| Specifications | | |
| Part No. | Description | Weight |
| WATHGK | 7pc Heat Gun Kit | 1720g |



WATHGK

| Copper Lugs and Links Kit | | | ALCLKIT 10 | | | |
|---------------------------|-----------------|---------------------|------------|--------|-----|--|
| Part No. | Description | Conductor Size | Stud Size | Colour | QTY | |
| WATMH4NW | Ratchet Crimper | - | - | - | 1 | |
| ALCLK1.5 | Crimp Link | 1.5mm ² | - | Copper | 100 | |
| ALCLK2.5 | Crimp Link | 2.5mm ² | - | Copper | 100 | |
| ALCLK6 | Crimp Link | 6.0mm ² | - | Copper | 50 | |
| ALCLK10 | Crimp Link | 10.0mm ² | - | Copper | 50 | |
| ALCL1.5M5 | Crimp Lug | 1.5mm ² | 5mm | Copper | 100 | |
| ALCL1.5M6 | Crimp Lug | 1.5mm ² | 6mm | Copper | 100 | |
| ALCL2.5M4 | Crimp Lug | 2.5mm ² | 4mm | Copper | 100 | |
| ALCL2.5M5 | Crimp Lug | 2.5mm ² | 5mm | Copper | 100 | |
| ALCL6M8 | Crimp Lug | 6.0mm ² | 8mm | Copper | 50 | |
| ALCL10M8 | Crimp Lug | 10.0mm ² | 8mm | Copper | 25 | |



ALCLKIT 10 - Total Pieces 776

| Terminals Lugs and Links Mixed Kit | | | ALCPTLLKIT 18 | | | |
|------------------------------------|------------------|------------------------|---------------|--------|-----|--|
| Part No. | Description | Conductor Size | Stud Size | Colour | QTY | |
| WATMEB10OCW | Crimping Pliers | - | - | - | 1 | |
| ALCRR4 | Ring Terminal | 0.5-1.5mm ² | 4mm | Red | 20 | |
| ALCRR5 | Ring Terminal | 0.5-1.5mm ² | 5mm | Red | 20 | |
| ALCRB4 | Ring Terminal | 1.5-2.5mm ² | 4mm | Blue | 20 | |
| ALCRB5 | Ring Terminal | 1.5-2.5mm ² | 5mm | Blue | 20 | |
| ALCFR4 | Fork Terminal | 0.5-1.5mm ² | 4mm | Red | 20 | |
| ALCFB4 | Fork Terminal | 1.5-2.5mm ² | 4mm | Blue | 20 | |
| ALCSPLR | Splice Terminal | 0.5-1.5mm ² | - | Red | 20 | |
| ALCSPLB | Splice Terminal | 1.5-2.5mm ² | - | Blue | 20 | |
| ALCMDTABR | Tabs Disconnect | 0.5-1.5mm ² | - | Red | 20 | |
| ALCMDTABB | Tabs Disconnect | 1.5-2.5mm ² | - | Blue | 20 | |
| ALCFIFQDR | Quick Disconnect | 0.5-1.5mm ² | - | Red | 20 | |
| ALCFIFQDB | Quick Disconnect | 1.5-2.5mm ² | - | Blue | 20 | |
| ALCLK1.5 | Crimp Link | 1.5mm ² | - | Copper | 20 | |
| ALCL1.5M4 | Crimp Lug | 1.5mm ² | 4mm | Copper | 20 | |
| ALCLK2.5 | Crimp Link | 2.5mm ² | - | Copper | 20 | |
| ALCL2.5M4 | Crimp Lug | 2.5mm ² | 4mm | Copper | 20 | |
| ALCLK4 | Crimp Link | 4.0mm ² | - | Copper | 20 | |
| ALCL4M4 | Crimp Lug | 4.0mm ² | 4mm | Copper | 20 | |



ALCPTLLKIT18 - Total Pieces 361

Voltage Level:

- U₀/U (U_m) 0.6/1 (1.2) kV

Applications:

- Indoor
- Underground
- Outdoor
- Cable trays

Product Supplied with:

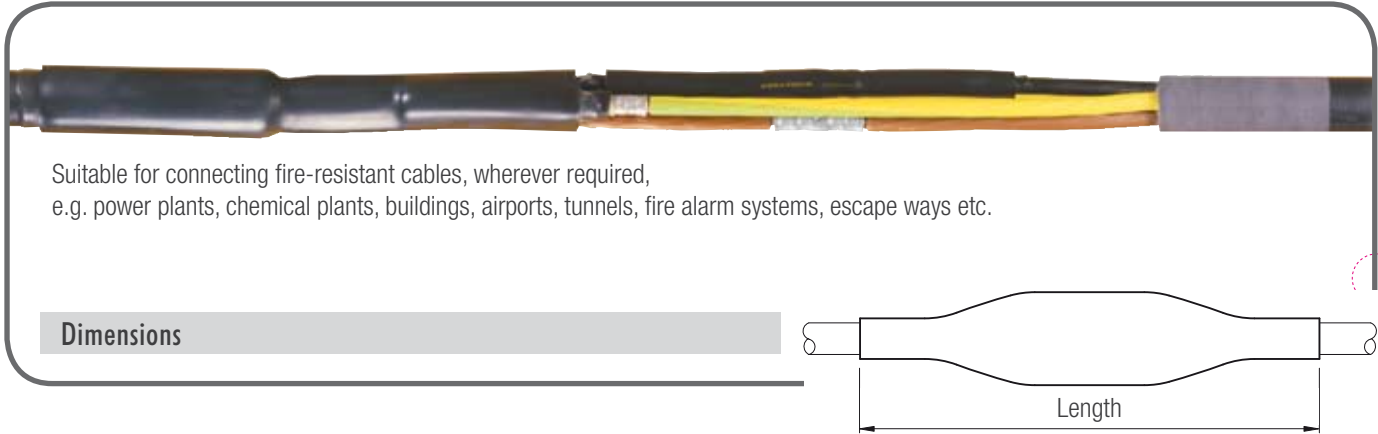
- Inner tubes
- Cleaning tissue
- Fire resistant tubes
- Emery cloth
- Outer tube
- Easy-to-follow illustrated mounting instructions

Features

- For fire-resistant cable
- Halogen-free
- Compact dimensions
- Silicone-free
- Watertight
- Unlimited shelf life
- Resistant to UV-radiation, alkaline earths and chemical agents
- Low smoke emission
- High electrical insulation values




Approvals:

- DIN VDE 0472, part 814 (FE 180)
- IEC 331 - 332
- DIN 4102, part 12, concept February 1996 (E90)



Suitable for connecting fire-resistant cables, wherever required, e.g. power plants, chemical plants, buildings, airports, tunnels, fire alarm systems, escape ways etc.

Dimensions

| Part No | Type | Length (mm) | Max Cross Section per conductor (mm ²) | | |
|---------------|-------------------|-------------|---|---|---|
| | | | Plastic Insulated Cable | | Concentric Conductor |
| | | |  |  |  |
| | | | 4x | 5x | 4x |
| HSJP4X1.5-4 | SMH4 1.5-4 E90 | 350 | 1.5-4 | - | - |
| HSJP4X06-10 | SMH4 6-10 E90 | 380 | 6-10 | - | - |
| HSJP4X16-25 | SMH4 16-25 E90 | 470 | 16-25 | - | - |
| HSJP4X35-50 | SMH4 35-50 E90 | 500 | 35-50 | - | - |
| HSJP4X70-95 | SMH4 70-95 E90 | 600 | 70-95 | - | - |
| HSJP4X120-150 | SMH4 120-150 E90 | 600 | 120-150 | - | - |
| HSJP4X185-240 | SMH4 185-240 E90 | 750 | 185-240 | - | - |
| HSJP5X1.5-4 | SMH5 1.5-4 E90 | 350 | - | 1.5-4 | - |
| HSSP5X06-10 | SMH5 6-10 E90 | 380 | - | 6-10 | - |
| HSJP5X16-25 | SMH5 16-25 E90 | 470 | - | 16-25 | - |
| HSJC4X1.5-4 | SMHC4 1.5-4 E90 | 350 | - | - | 1.5-4 |
| HSJC4X06-10 | SMHC4 6-10 E90 | 380 | - | - | 6-10 |
| HSJC4X16-25 | SMHC4 16-25 E90 | 470 | - | - | 16-25 |
| HSJC4X35-50 | SMHC4 35-50 E90 | 500 | - | - | 35-50 |
| HSJC4X70-95 | SMHC4 70-95 E90 | 600 | - | - | 70-95 |
| HSJC4X120-150 | SMHC4 120-150 E90 | 600 | - | - | 120-150 |
| HSJC4X185-240 | SMHC4 185-240 E90 | 750 | - | - | 185-240 |

Note: Connectors must be ordered separately. Lead times apply.

Features

- Medium Wall
- Silicone-free
- UV-resistant
- Non-corrosive
- Halogen-free
- Excellent chemical & electrical properties
- Flame retardant, resistant to cold flow
- High tensile strength
- Maximum internal pressure 1.5 bar
- With hot melting adhesive
- With adhesive and stainless steel channel

Material

- Cross-linked polyolefin
- Free of lead and cadmium

Colour

- Black

| Part No | Type | Length | Internal Diameter | | Application | | Recovered Wall Thickness |
|------------|---------------|--------|-------------------|-----------------|---------------|---------------|--------------------------|
| | | | before shrinkage | after shrinkage | min shrinkage | max shrinkage | |
| | | (mm) | (mm) | | (mm) | | (mm) |
| HSRS28-10 | SRMAHV 28-10 | 1000 | 32 | 10 | 10 | 28 | 2.3 |
| HSRS43-12 | SRMAHV 43-12 | 1000 | 52 | 12 | 12 | 43 | 3.4 |
| HSRS72-18 | SRMAHV 72-18 | 1000 | 82 | 18 | 18 | 72 | 3.4 |
| HSRS93-26 | SRMAHV 93-26 | 1000 | 105 | 26 | 26 | 93 | 3.4 |
| HSRS115-30 | SRMAHV 115-30 | 1000 | 130 | 30 | 30 | 115 | 2.3 |
| HSRS125-32 | SRMAHV 125-32 | 1000 | 143 | 32 | 32 | 125 | 2.3 |
| HSRS150-50 | SRMAHV 150-50 | 1000 | 180 | 50 | 50 | 150 | 2.3 |

Note: Other lengths available upon request



Suitable for quick sealing and cable repair

| Technical Data | Value | Test Method |
|-----------------------------------|-------------------------|------------------|
| Physical properties | | |
| Density | ~ 1.05 g/cm³ | DIN 53 479 |
| Hardness | < 50 Shore D | DIN 53 505 |
| Elongation at break | 300% | EN ISO 527-2 |
| Tensile strength | 13 MPa | EN ISO 527-2 |
| Longitudinal shrinkage | < 10% | CP-PM 1013* |
| Shrink ratio | > 3:1 | - |
| Thermal properties | | |
| Operating temperature range | -40 °C to +120 °C | DIN 53 446 |
| Shrinking temperature | > 125 °C | CP-PM-1004* |
| Burning behaviour | non self-extinguishing | ASTM-D 876 |
| Flexibility at low temperatures | -40 °C | ASTM 2671 C |
| Thermal ageing (168hrs at 150 °C) | 350% | EN ISO 527-2 |
| Elongation at break | 14 MPa | |
| Tensile strength | | |
| Electrical properties | | |
| Dielectric strength | 12 kV/mm | DIN VDE 0303 P.2 |
| Volume resistivity | 10 ¹⁴ Ω x cm | DIN VDE 0303 P.3 |
| Dielectric constant | ~ 5 | DIN VDE 0303 P.3 |
| Chemical properties | | |
| Corrosion | none | ASTM 2671 |
| Water absorption | < 0.15% | DIN 53 495 1L |
| Resistance to fungus and decay | Ratio 1 | ISO 846 Meth. A |





Copper Crimp Lugs


Lugs - Dimensions

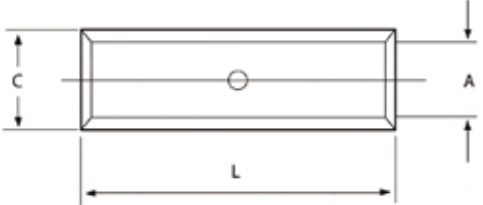
| Lugs | | | | | | | | | | | | | |
|---------------|----------------------|-------------------|------------------|-----------------|------|----|----|----|----|----------|------------------------|-------------|-------------|
| Part No | Conductor Size (mm²) | Stud Size ØE (mm) | Stranding Metric | Dimensions (mm) | | | | | | Pack QTY | Recommended Heatshrink | | |
| | | | | A | C | D | P | B | L | | Thin Wall | Medium Wall | Thick Wall |
| ALCL1.5M4/100 | 1.5 | 4 | 1/1.38 | 1.8 | 3.7 | 8 | 9 | 7 | 18 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL1.5M5/100 | 1.5 | 5 | 1/1.38 | 1.8 | 3.7 | 9 | 10 | 7 | 19 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL1.5M6/100 | 1.5 | 6 | 1/1.38 | 1.8 | 3.7 | 9 | 11 | 7 | 20 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL2.5M4/100 | 2.5 | 4 | 7/0.67 | 2.4 | 4.0 | 8 | 9 | 7 | 18 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL2.5M5/100 | 2.5 | 5 | 7/0.67 | 2.4 | 4.0 | 8 | 10 | 7 | 18 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL2.5M6/100 | 2.5 | 6 | 7/0.67 | 2.4 | 4.0 | 10 | 12 | 7 | 20 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL2.5M8/100 | 2.5 | 8 | 7/0.67 | 2.4 | 4.0 | 11 | 16 | 9 | 26 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL4M5/100 | 4 | 5 | 7/0.85 | 3.1 | 4.8 | 11 | 12 | 9 | 22 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL4M6/100 | 4 | 6 | 7/0.85 | 3.1 | 4.8 | 11 | 12 | 9 | 22 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL4M8/100 | 4 | 8 | 7/0.85 | 3.1 | 4.8 | 11 | 16 | 11 | 29 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL6M6/50 | 6 | 6 | 7/1.04 | 3.8 | 5.5 | 10 | 11 | 12 | 26 | 50 | HSTNW10.0/5.0 | HSMWGL10/3 | HSTKWGL13/4 |
| ALCL6M8/50 | 6 | 8 | 7/1.04 | 3.8 | 5.5 | 12 | 16 | 12 | 31 | 50 | HSTNW10.0/5.0 | HSMWGL16/5 | HSTKWGL13/4 |
| ALCL6M10/50 | 6 | 10 | 7/1.04 | 3.8 | 5.5 | 17 | 23 | 12 | 39 | 50 | HSTNW10.0/5.0 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL10M6/25 | 10 | 6 | 7/1.35 | 4.5 | 6.9 | 12 | 14 | 11 | 28 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL13/4 |
| ALCL10M8/25 | 10 | 8 | 7/1.35 | 4.5 | 6.9 | 12 | 16 | 11 | 30 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL13/4 |
| ALCL10M10/25 | 10 | 10 | 7/1.35 | 4.5 | 6.9 | 17 | 20 | 11 | 35 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL10M12/25 | 10 | 12 | 7/1.35 | 4.5 | 6.9 | 17 | 20 | 11 | 35 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL16M6/25 | 16 | 6 | 7/1.70 | 5.9 | 8.0 | 12 | 15 | 20 | 39 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL13/4 |
| ALCL16M8/25 | 16 | 8 | 7/1.70 | 5.9 | 8.0 | 12 | 15 | 20 | 39 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL13/4 |
| ALCL16M10/25 | 16 | 10 | 7/1.70 | 5.9 | 8.0 | 17 | 26 | 20 | 50 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL16M12/25 | 16 | 12 | 7/1.70 | 5.9 | 8.0 | 17 | 26 | 20 | 50 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL25M6/25 | 25 | 6 | 19/1.35 | 7.0 | 9.7 | 14 | 16 | 23 | 42 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL25M8/25 | 25 | 8 | 19/1.35 | 7.0 | 9.7 | 14 | 16 | 23 | 42 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 |
| ALCL25M10/25 | 25 | 10 | 19/1.35 | 7.0 | 9.7 | 19 | 23 | 23 | 50 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL25M12/25 | 25 | 12 | 19/1.35 | 7.0 | 9.7 | 19 | 23 | 23 | 50 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL35M6/25 | 35 | 6 | 19/1.53 | 8.4 | 11.5 | 16 | 19 | 23 | 46 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL35M8/25 | 35 | 8 | 19/1.53 | 8.4 | 11.5 | 16 | 19 | 23 | 46 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL35M10/25 | 35 | 10 | 19/1.53 | 8.4 | 11.5 | 16 | 19 | 23 | 46 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL35M12/25 | 35 | 12 | 19/1.53 | 8.4 | 11.5 | 19 | 27 | 23 | 53 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL35M8/25 | 35 | - | 19/1.53 | 8.4 | 11.5 | 19 | 27 | 23 | 53 | 25 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL50M8/10 | 50 | 8 | 19/1.78 | 9.5 | 12.7 | 18 | 20 | 23 | 49 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL50M10/10 | 50 | 10 | 19/1.78 | 9.5 | 12.7 | 18 | 20 | 23 | 49 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL50M12/10 | 50 | 12 | 19/1.78 | 9.5 | 12.7 | 18 | 20 | 23 | 49 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL70M8/10 | 70 | 8 | 19/2.14 | 11.1 | 14.3 | 20 | 23 | 24 | 54 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL70M10/10 | 70 | 10 | 19/2.14 | 11.1 | 14.3 | 20 | 23 | 24 | 54 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL70M12/10 | 70 | 12 | 19/2.14 | 11.1 | 14.3 | 20 | 23 | 24 | 54 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL19/6 |
| ALCL70M16/10 | 70 | 16 | 19/2.14 | 11.1 | 14.3 | 25 | 33 | 24 | 64 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 |
| ALCL95M8/10 | 95 | 8 | 37/1.78 | 13.5 | 17.5 | 25 | 27 | 25 | 60 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 |
| ALCL95M10/10 | 95 | 10 | 37/1.78 | 13.5 | 17.5 | 25 | 27 | 25 | 60 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 |
| ALCL95M12/10 | 95 | 12 | 37/1.78 | 13.5 | 17.5 | 25 | 27 | 25 | 60 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 |
| ALCL95M16/10 | 95 | 16 | 37/1.78 | 13.5 | 17.5 | 25 | 33 | 25 | 65 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 |

Note: Thin wall range of heatshrink available in a range of different colours

| Lugs | | | | | | | | | | | | | |
|---------------|----------------------|-------------------|------------------|-----------------|------|----|----|----|-----|----------|------------------------|-------------|--------------|
| Part No | Conductor Size (mm²) | Stud Size ØE (mm) | Stranding Metric | Dimensions (mm) | | | | | | Pack QTY | Recommended Heatshrink | | |
| | | | | A | C | D | P | B | L | | Thin Wall | Medium Wall | Thick Wall |
| ALCL120M10/10 | 120 | 10 | 37/2.03 | 15.5 | 20.6 | 29 | 29 | 32 | 70 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL28/9 |
| ALCL120M12/10 | 120 | 12 | 37/2.03 | 15.5 | 20.6 | 29 | 29 | 32 | 70 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL28/9 |
| ALCL120M16/10 | 120 | 16 | 37/2.03 | 15.5 | 20.6 | 29 | 32 | 32 | 75 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL28/9 |
| ALCL150M10/10 | 150 | 10 | 37/2.25 | 16.3 | 22.2 | 31 | 34 | 32 | 78 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL150M12/10 | 150 | 12 | 37/2.25 | 16.3 | 22.2 | 31 | 34 | 32 | 78 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL150M16/10 | 150 | 16 | 37/2.25 | 16.3 | 22.2 | 31 | 34 | 32 | 78 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL185M10/6 | 185 | 10 | 37/2.52 | 18.3 | 24.3 | 34 | 35 | 32 | 82 | 6 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL185M12/6 | 185 | 12 | 37/2.52 | 18.3 | 24.3 | 34 | 35 | 32 | 82 | 6 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL185M16/6 | 185 | 16 | 37/2.52 | 18.3 | 24.3 | 34 | 35 | 32 | 82 | 6 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 |
| ALCL240M8/6 | 240 | 8 | 61/2.25 | 21.2 | 28.6 | 40 | 41 | 42 | 99 | 6 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL240M12/6 | 240 | 12 | 61/2.25 | 21.2 | 28.6 | 40 | 41 | 42 | 99 | 6 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL240M16/6 | 240 | 16 | 61/2.25 | 21.2 | 28.6 | 40 | 41 | 42 | 99 | 6 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL240M20/6 | 240 | 20 | 61/2.25 | 21.2 | 28.6 | 40 | 41 | 42 | 99 | 6 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL240MB/6 | 240 | - | 61/2.25 | 21.2 | 28.6 | 40 | 41 | 42 | 99 | 6 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL300MB/3 | 300 | - | 61/2.52 | 23.8 | 31.9 | 45 | 45 | 47 | 107 | 3 | HSTNW40/20 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL400MB/3 | 400 | - | 61/2.85 | 26.8 | 34.8 | 49 | 51 | 48 | 116 | 3 | HSTNW50/25 | HSMWGL50/16 | HSTKWGL51/16 |
| ALCL500MB/3 | 500 | - | 61/3.20 | 30.0 | 38.0 | 55 | 60 | 50 | 130 | 3 | HSTNW50/25 | HSMWGL85/25 | HSTKWGL68/22 |
| ALCL630MB/3 | 630 | - | 127/2.52 | 33.5 | 45.0 | 64 | 65 | 57 | 146 | 3 | HSTNW70/35 | HSMWGL85/25 | HSTKWGL68/22 |

| Links | | | | | | | | | | | | | |
|--------------|----------------------|------------------|-----------------|------|-----|----------|------------------------|-------------|--------------|--|--|--|--|
| Part No | Conductor Size (mm²) | Stranding Metric | Dimensions (mm) | | | Pack QTY | Recommended Heatshrink | | | | | | |
| | | | A | C | L | | Thin Wall | Medium Wall | Thick Wall | | | | |
| ALCLK1.5/100 | 1.5 | 1/0.80 | 2.1 | 3.8 | 15 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK2.5/100 | 2.5 | 7/0.67 | 2.5 | 4.0 | 22 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK4/100 | 4 | 7/0.85 | 3.1 | 4.8 | 22 | 100 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK6/50 | 6 | 7/1.04 | 3.8 | 5.5 | 22 | 50 | HSTNW7.0/3.55 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK10/50 | 10 | 7/1.35 | 4.5 | 6.9 | 26 | 50 | HSTNW10.0/5.0 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK16/25 | 16 | 7/1.70 | 5.9 | 8.0 | 36 | 25 | HSTNW10.0/5.0 | HSMWGL10/3 | HSTKWGL13/4 | | | | |
| ALCLK25/25 | 25 | 19/1.35 | 7.0 | 9.7 | 47 | 25 | HSTNW13/6.5 | HSMWGL16/5 | HSTKWGL19/6 | | | | |
| ALCLK35/25 | 35 | 19/1.53 | 8.4 | 11.5 | 47 | 25 | HSTNW18/9 | HSMWGL16/5 | HSTKWGL19/6 | | | | |
| ALCLK50/25 | 50 | 19/1.78 | 9.5 | 12.7 | 47 | 25 | HSTNW18/9 | HSMWGL16/5 | HSTKWGL38/12 | | | | |
| ALCLK70/10 | 70 | 19/2.14 | 11.1 | 14.3 | 54 | 10 | HSTNW18/9 | HSMWGL25/8 | HSTKWGL28/9 | | | | |
| ALCLK95/10 | 95 | 37/1.78 | 13.5 | 17.5 | 54 | 10 | HSTNW22/11 | HSMWGL25/8 | HSTKWGL28/9 | | | | |
| ALCLK120/10 | 120 | 37/2.03 | 15.5 | 20.6 | 68 | 10 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 | | | | |
| ALCLK150/6 | 150 | 37/2.25 | 16.3 | 22.2 | 68 | 6 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 | | | | |
| ALCLK185/6 | 185 | 37/2.52 | 18.3 | 24.3 | 68 | 6 | HSTNW40/20 | HSMWGL35/12 | HSTKWGL38/12 | | | | |
| ALCLK240/6 | 240 | 61/2.25 | 21.2 | 28.6 | 88 | 6 | HSTNW50/25 | HSMWGL50/16 | HSTKWGL51/16 | | | | |
| ALCLK300/3 | 300 | 61/2.52 | 23.8 | 31.9 | 98 | 3 | HSTNW50/25 | HSMWGL50/16 | HSTKWGL51/16 | | | | |
| ALCLK400/3 | 400 | 61/2.85 | 26.8 | 34.8 | 98 | 3 | HSTNW70/35 | HSMWGL50/16 | HSTKWGL68/22 | | | | |
| ALCLK500/3 | 500 | 61/3.20 | 30.0 | 38.0 | 98 | 3 | HSTNW70/35 | HSMWGL85/12 | HSTKWGL68/22 | | | | |
| ALCLK630/3 | 630 | 127/2.52 | 33.5 | 45.0 | 101 | 3 | HSTNW70/35 | HSMWGL85/12 | HSTKWGL90/30 | | | | |





Copper Crimp Links

Links - Dimensions

Note: Thin wall range of heatshrink available in a range of different colours



Alco's Cast Resin is ideal for single or multi-core cable networks. We offer a number of resin systems such as straight through cable joints, branch off joints and two part resin packs.

Resin joints can be used in applications where cables are buried directly in the ground, submerged in water or under maintenance. The standard moulds used are made from thermoplastic materials that provide excellent mechanical stability and high resistance to water and termites. The moulds are transparent allowing you to see the cable connection during casting. All resin joints comply with VDE standards and are watertight, ideal for water-submerged applications. No other insulation of the cable joint is necessary eg heatshrink, tapes etc. The cast resin is all that is required.

The resin is supplied in a two-chamber mixing bag that allows it to be poured easily after it is mixed. The bags are made from a three-layer aluminium plastic laminate material. One of the key features of the mixing bag is the quick pull off parting rail, which when removed allows the hardener and resin to be mixed in the one bag, eliminating external dirt or foreign materials. After pouring, the bag can be disposed of safely in any household rubbish bin.

Voltage Level:

- $U_0/U(U_m)$ 0.6/1 (1.2) kV

Applications:

- Indoor
- Underground
- Outdoor
- Cable trays
- Water

Product Supplied with:

- Transparent mould
- Lid and spacer plate (Type M11 - M16)
- Funnel (Type MZ00 and MZ0)
- Sealing tape
- Gloves
- Illustrated easy-to-follow mounting instructions
- Hydrolysis resistant PUR type EG cast-resin, containing the correct volume needed ready for mixing, in handy two chamber mixing bag

Features:

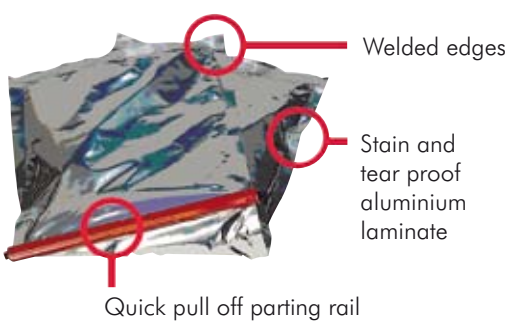
- Large insertion opening for easy casting
- High electrical insulation value
- Watertight
- Compact size
- High mechanical strength
- Standard resin can be stored for up to 40 months
- High quality, transparent and shockproof plastic mould
- Visible splice position before casting
- Extremely quick and easy to use, saving time and money
- Resistant to UV-radiation, alkaline earths and chemical agents
- Ready for immediate use

Approvals:

- DIN VDE 0278 part 1 and 3
- DIN VDE 0278 part 393
- EN 50393 as well as CENELEC HD 623 (VDE 0278, part 623)




Practical two chamber mixing bag



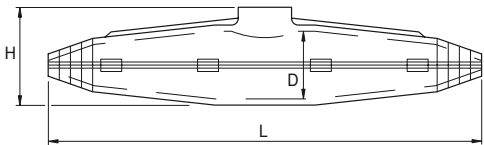
Suitable for connecting low voltage plastic insulated cables or PVC, PE, VPE and EPR insulated conductors.

Type M Cast Resin

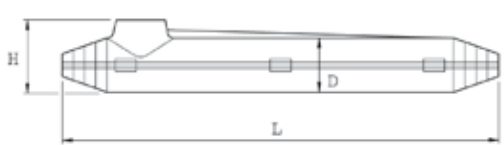
| Part No | Type | Cable Diameter (mm) | Dimensions (mm) | | | Max Cross Section per Conductor (mm²) | | |
|-----------|------|---------------------|-----------------|-----|-----|--|--|--|
| | | | L | D | H | Plastic Insulated Cable | Concentric Conductor | Armoured |
| | | | | | |  4x |  3x |  4x |
| ALC124M11 | M 11 | 26 | 190 | 36 | 50 | 10 | 10/10 | - |
| ALC124M12 | M 12 | 34 | 260 | 47 | 63 | 25 | 25/25 | - |
| ALC124M13 | M 13 | 43 | 360 | 55 | 75 | 50 | 50/50 | 35 |
| ALC124M14 | M 14 | 48 | 400 | 70 | 95 | 95 | 95/95 | 70 |
| ALC124M15 | M 15 | 63 | 530 | 100 | 120 | 150 | 150/150 | 120 |
| ALC124M16 | M 16 | 81 | 700 | 125 | 160 | 240 | 240/120 | 240 |

Type MZ Cast Resin

| Part No | Type | Cable Diameter (mm) | Dimensions (mm) | | | Wire Diameter (mm) | | | | |
|------------|------|---------------------|-----------------|----|----|--------------------|-------|-------|------------------|-----|
| | | | L | D | H | 0.4 | 0.6 | 0.8 | 1.5 | 2.5 |
| | | | | | | No of Pairs | | | No of conductors | |
| ALC124MZ00 | MZ00 | 20 | 180 | 23 | 35 | 10-15 | 5-10 | 5-10 | 7 | 5 |
| ALC124MZ0 | MZ0 | 25 | 250 | 35 | 55 | 15-30 | 10-20 | 10-20 | 15 | 10 |



Type M11-M16



Type MZ00-MZ0

Dimensions

This information applies to Type M and Type MZ Products (Unless otherwise stated)

Voltage level

- U₀ / U (U_m) 0.6/1 (1.2) kV

Applications

- Indoor
- Outdoor
- Underground
- Water
- Cable trays

Product Supplied with:

- Sealing tape
- Transparent moulds
- Illustrated easy-to-follow mounting instructions
- Filling in funnel
- Air release funnel (Except Type Y 00)
- Gloves
- Closing stops
- Hydrolysis resistant PUR type EG cast-resin, containing the correct volume needed ready for mixing, in handy two chamber mixing bag

Features

- Watertight
- High electrical insulation values
- High mechanical strength
- Compact size
- Standard resin can be stored for up to 40 months
- Large insertion opening for easy casting
- High quality transparent and shockproof plastic mould
- Visible splice position before casting
- Extremely quick and easy to use, saving time and money
- Resistant to UV-radiation, alkaline earths and chemical agents
- Ready for immediate use

Approvals:

- DIN VDE 0278 part 1 and 3
- DIN VDE 0278 part 393
- EN 50393 as well as CENELEC HD 623 (VDE 0278, part 623)

Note

- For joint sizes Y 3 and above, branch-off ring connectors can be used

Cast Resin Type 'EG' is suitable for the following types of cables:

- Low-voltage plastic-insulated and paper-insulated cables rated up to 1kV
- Telecommunications and signal plastic-insulated and paper-insulated cables

Features

- Suitable for mechanical protection and water-sealing on medium voltage cables
- Halogen-free unfilled two-component polyurethane cast-resin
- Specially developed for cable joints
- No toxic emission during mixing and casting
- Excellent hydrolytical resistance
- No cracks during electrical and mechanical stress
- Excellent flow properties
- Low hardening temperature
- Packed in practical and easy-to-use two chamber mixing bags
- Fast hardening
- Good adherence to all cable materials

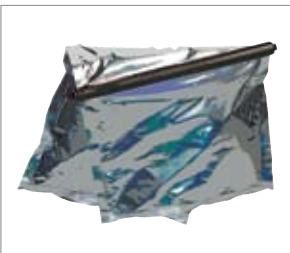
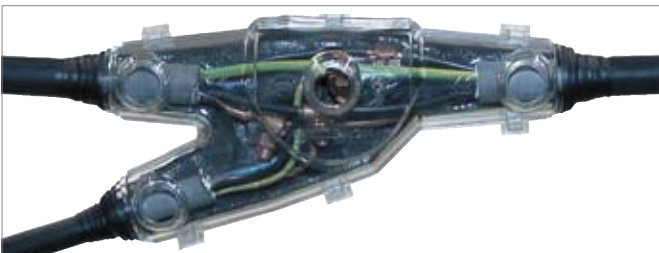
Approvals:

- Governmental Material Test Laboratory Darmstadt: DIN VDE 0291
- KEMA, Nederland: Report on the MAK value, which lies well below the maximum value of 0.01 ppm, allowed by law

Storage conditions

- Store at optimum temperature of +15°C to +35°C for up to 40 months in original aluminium bag

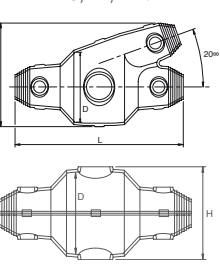
Suitable for connecting low voltage plastic insulated cables or PVC, PE, VPE & EPR insulated conductors.



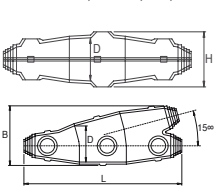
Type Y Cast Resin

| Part No | Type | Dimensions | | | | Cable Diameter | | Max Cross Section per Conductor (mm²) | | | | | |
|------------|---------|------------|--------|--------|--------|-----------------|-------------------|---------------------------------------|----|-----|-----|----------------------|--------|
| | | L (mm) | B (mm) | D (mm) | H (mm) | main cable (mm) | branch cable (mm) | Plastic Insulated Cable | | | | Concentric Conductor | |
| | | | | | | | | 5x | 3x | 4x | | 3x | |
| ALC133Y00 | Y 00 | 150 | 75 | 38 | 50 | 23 | 23 | | | | | | |
| ALC152Y0 | Y 0 | 185 | 80 | 45 | 55 | 17 | 17 | | | 4 | 4 | 4/4 | 4/4 |
| ALC124Y1 | Y 1 | 240 | 110 | 60 | 70 | 22 | 22 | | | 10 | 4 | 10/10 | 10/10 |
| ALC147Y2 | Y 2 | 285 | 120 | 65 | 75 | 37 | 33 | | | 35 | 16 | 16/16 | 10/10 |
| ALC131Y3 | Y 3 | 240 | 145 | 100 | 110 | 42 | 37 | | | 50 | 35 | 25/25 | 16/16 |
| ALC131Y3.5 | Y 3 1/2 | 300 | 150 | 110 | 120 | 54 | 38 | | | 50 | 35 | 35/35 | 25/25 |
| ALC124Y4 | Y 4 | 285 | 170 | 110 | 120 | 53 | 37 | | | 95 | 50 | 70/70 | 25/25 |
| ALC131Y4.5 | Y 4 1/2 | 335 | 193 | 120 | 130 | 56 | 42 | | | 150 | 70 | 120/120 | 95/95 |
| ALC157Y5 | Y 5 | 382 | 220 | 140 | 150 | 62 | 52 | | | 240 | 95 | 150/150 | 95/95 |
| ALC131Y6 | Y 6 | 570 | 275 | 180 | 190 | 90 | 80 | | | 300 | 185 | 240/120 | 185/95 |

Y3, Y4, Y41/2



Y00 - Y2, Y31/2, Y5, Y6



Dimensions

Type 'EG' 2-component PUR Resin

| Features | Value | Requirements for cast-resins according to DIN VDE 0291, part 2 (draft 1997) | | |
|---|--|---|------------|-------------|
| | | GNW/RLS | GMW/RMS | GFW/RTS |
| Cast-resin component / open cup flash point | > 200 °C | > 100 °C | - | > 100 °C |
| Reactant / open cup flash point | > 200 °C | > 55 °C | - | > 55 °C |
| Processing time (potlife), preparation 300 ml 5 °C 23 °C 35 °C | 35 minutes 20 minutes 15 minutes | conformity to manufacturer's data (± 30%) | | |
| Gel time for 300 ml at 23 °C Bag < 1000 ml Bag > 1000 ml | 17 minutes 26 minutes | conformity to manufacturer's data (± 10%) | | |
| Maximum reaction temperature | 98 °C/371 K | conformity to manufacturer's data (± 10K) | | |
| Total volume contraction during hardening | 6% | max 6.5% | | |
| Density | 1.1 g/cm³ | - | | |
| Impact strength | > 10 kJ/m² | > 10 kJ/m² | | |
| Hardness | 54 Shore D | min. 20 Shore D | | |
| Thermal expansion coefficient in the temperature range of 20-50 °C | 5.9 x 10⁻⁴ K⁻¹ | conformity to manufacturer's data (± 15%) | | |
| Thermal conductivity | 0.2 W x M⁻¹ x K⁻¹ | conformity to manufacturer's data (± 20%) | | |
| Combustibility | class IIC | according to DIN VDE 0304, part 3 | | |
| Water absorption in warm water (42days at 50 °C) | 350 mg | max 600 mg | max 400 mg | max 600 mg |
| Electrolytic corrosion | A1 | < A1.4 | - | < A1.4 |
| 1 minute test voltage at 23 °C at 80 °C | - > 20 kV > 10 kV | no breakdown at test voltage 10 kV 20 kV 10 kV | | |
| Dielectric dissipation factor at 23 °C and 50 Hz at 23 °C and 1 kHz | 0.07 0.05 | - | max 0.1 | - < 0.05 |
| Relative permittivity at 23 °C and 50 Hz at 23 °C and 1 kHz | 5 5.1 | - | < 6 | - max 6 |
| Tracking resistance | KA 3c | min KA 3b | min KA 3c | - |
| Hydrolysis resistance after water immersion (28days at 90 °C) | 8.2 N/mm² 60% 47 Shore D | ≥ 65% of initial value ≥ 65% of initial value ≥ 80% of initial value | | |



Type 'EG' Standard Cast Resin

| Part No | Type | Volume (ml) |
|--------------|---------|-------------|
| ALC124EG80 | EG 80 | 80 |
| ALC124EG143 | EG 143 | 143 |
| ALC124EG286 | EG 286 | 286 |
| ALC124EG370 | EG 370 | 370 |
| ALC124EG464 | EG 464 | 464 |
| ALC124EG730 | EG 730 | 730 |
| ALC124EG1000 | EG 1000 | 1000 |
| ALC124EG1150 | EG 1150 | 1150 |
| ALC124EG1500 | EG 1500 | 1500 |
| ALC124EG2000 | EG 2000 | 2000 |

Note: Technical Data for this product is also suitable for resin supplied with Type 'M' and Type 'Y' product ranges



Cast resin Type 'KG' is a specially developed two-component polyurethan (PUR) cast-resin for isolating cable connections. This transparent removable crumbly cast-resin allows sight control of the connection after filling. The connection can be released at any time by simply removing the resin. Typical applications include: cable branch-off cabinets, connection boxes, communication cable connections, electronic components, etc.

Features

- Favourable flow properties
- Halogen-free unfilled two-component polyurethane cast-resin
- Resin remains transparent after hardening
- Good adherence to all cable materials
- No cracks during electrical stress
- Low hardening temperature
- Excellent hydrolytic resistance
- No toxic emission during mixing and casting
- Packed in practical and easy-to-use two chamber mixing bags

Approval

- According to DIN VDE 0291 part 2 (draft 6/97)

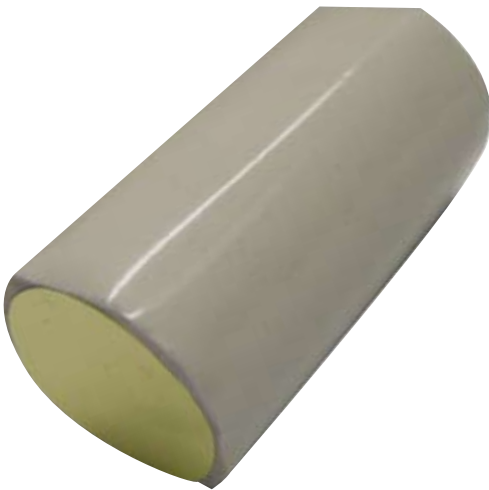
Storage conditions

- Store at optimum temperature of +15 °C to +35 °C for up to 24 months in the original aluminium bag

Type 'KG' 2-component PUR Resin, Removable Crumbly Type

| Features | Value |
|--|-----------------------------|
| Reactive mass | |
| Viscosity (20°C) | 1000 mPa x s |
| Processing time (20°C) | ca. 1hr |
| Maximum temperature | < 40 °C |
| Cast-resin moulding material | |
| Density | 1 g/cm ³ |
| Hardness | 10 Shore A |
| Spec. volume resistance | 2 x 10 ¹⁰ Ω x cm |
| Tensile strength | 7 N/cm ² |
| Elongation at break | 10% |
| Water absorption in cold water (24hrs at 23 °C) | 30 mg |
| Water absorption in warm water (42days at 50 °C) | 188 mg |
| 1 minute test voltage at 23 °C | > 20 kV |
| at 80 °C | > 10 kV |

| Part No | Type | Volume (ml) |
|-------------|--------|-------------|
| ALC125KG143 | KG 143 | 143 |
| ALC125KG286 | KG 286 | 286 |
| ALC125KG730 | KG 730 | 730 |



ALCIP38



WATIP180



Weatherproof quick boxes

38mm Insulputty

- Alco epoxy sealing compound is designed for use with Alco barrier glands
- Working life of approximately 40 minutes
- Compound should be mixed for about 3 minutes by folding and kneading until the mixture is uniform in colour
- Used for filling and sealing where there are uneven contours
- Also used for hole filling and bonding

Specifications

| | |
|------------------------|-------------------------------|
| Part No. | ALCIP38 |
| Length: | 38mm |
| Storage: | Store in a cool, dry place |
| Electrical Resistance: | 30,000MΩ (ASTM D 149) |
| Dielectric Strength: | 300v/mm at 6.4mm (ASTM D 149) |
| Shrinkage during cure: | < 1% |

180mm Insulputty

- Two part epoxy putty with excellent mechanical and electrical characteristics
- Ready mixable and workable for 40 minutes
- Cures within 1 hour
- Used for filling and sealing where there are uneven contours
- Cured material can be sanded and drilled

Specifications

| | |
|------------------------|-------------------------------|
| Part No. | WATIP180 |
| Length: | 180mm |
| Storage: | Store in a cool, dry place |
| Electrical Resistance: | 30,000MΩ (ASTM D 149) |
| Dielectric Strength: | 300v/mm at 6.4mm (ASTM D 149) |
| Shrinkage during cure: | < 1% |

Weatherproof Quick Boxes

- UV stabilised PVC material
- Water and dust resistant
- IP56 degree of protection
- Compliance with AS1939-1990

Specifications

| Part No. | Dimensions | Internal Dimensions | Colour |
|----------|------------------|---------------------|--------|
| ALCWQB-0 | 105 x 105 x 72mm | 72 x 72 x 50mm | Grey |
| ALCWQB-1 | 120 x 85 x 72mm | 87 x 52 x 50mm | Grey |
| ALCWQB-2 | 120 x 120 x 93mm | 87 x 52 x 50mm | Grey |
| ALCWQB-3 | 160 x 120 x 93mm | 152 x 87 x 70mm | Grey |
| ALCWQB-4 | 230 x 120 x 72mm | 152 x 87 x 70mm | Grey |

See page 21 for Sealing Kit information

See page 21 for Sealing Kit information

| Junction Boxes | | | |
|----------------|-------------|------------|--------------|
| Part No. | Size (mm) | Colour | Image No. |
| ALCJB161 | 16mm 1W | Grey | 1 |
| ALCJB162 | 16mm 2W | Grey | 2 |
| ALCJB163 | 16mm 3W | Grey | 3 |
| ALCJB164 | 16mm 4W | Grey | 4 |
| ALCJB201 | 20mm 1W | Grey | 5 |
| ALCJB201D | 20mm 1W D | Grey | 6 |
| ALCJB202 | 20mm 2W | Grey | 7 |
| ALCJB202A | 20mm 2W 90° | Grey | 8 |
| W - way | D - deep | S - square | A-Angled 90° |



| Junction Boxes | | | |
|----------------|---------------|------------|--------------|
| Part No. | Size (mm) | Colour | Image No. |
| ALCJB252 | 25mm 2W | Grey | 17 |
| ALCJB252A | 25mm 2W 90° | Grey | 18 |
| ALCJB252D | 25mm 2W D | Grey | 19 |
| ALCJB252DA | 25mm 2W D 90° | Grey | 20 |
| ALCJB253 | 25mm 3W | Grey | 21 |
| ALCJB253D | 25mm 3W D | Grey | 22 |
| ALCJB254 | 25mm 4W | Grey | 23 |
| W - way | D - deep | S - square | A-Angled 90° |



| Junction Boxes | | | |
|----------------|---------------|------------|--------------|
| Part No. | Size (mm) | Colour | Image No. |
| ALCJB202D | 20mm 2W D | Grey | 9 |
| ALCJB202DA | 20mm 2W D 90° | Grey | 10 |
| ALCJB203 | 20mm 3W | Grey | 11 |
| ALCJB203D | 20mm 3W D | Grey | 12 |
| ALCJB204 | 20mm 4W | Grey | 13 |
| ALCJB204D | 20mm 4W D | Grey | 14 |
| ALCJB251 | 25mm 1W | Grey | 15 |
| ALCJB251D | 25mm 1W D | Grey | 16 |
| W - way | D - deep | S - square | A-Angled 90° |

| Junction Boxes/Accessories | | | |
|----------------------------|---------------------|------------|--------------|
| Part No. | Size (mm) | Colour | Image No. |
| ALCJB254D | 25mm 4W D | Grey | 24 |
| ALCJB321 | 32mm 1W S | Grey | 26 |
| ALCJB322 | 32mm 2W S | Grey | 26 |
| ALCJB323 | 32mm 3W S | Grey | 27 |
| ALCJB324 | 32mm 4W S | Grey | 28 |
| ALCJBDL | Disposable Lid | Grey | 29 |
| ALCJB25 | 25mm extension ring | Grey | 30 |
| W - way | D - deep | S - square | A-Angled 90° |

Removable PUR Resin Sealing Kits

| Sealing Kit Part No | Quickbox/Junction Box Part No | Removable filler | | Insulputty sealer | |
|---------------------|-------------------------------|------------------|---------|-------------------|---------|
| | | part number | no. req | part number | no. req |
| ALCQJR161 | ALCJB161 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR162 | ALCJB162 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR163 | ALCJB163 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR164 | ALCJB164 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR201 | ALCJB201 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR201D | ALCJB201D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR202 | ALCJB202 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR202A | ALCJB202A | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR202D | ALCJB202D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR202DA | ALCJB202DA | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR203 | ALCJB203 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR203D | ALCJB203D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR204 | ALCJB204 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR204D | ALCJB204D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR251 | ALCJB251 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR251D | ALCJB251D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR252 | ALCJB252 | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR252A | ALCJB252A | ALC125KG143 | 1 | ALCIP38 | 1 |
| ALCQJR252D | ALCJB252D | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR252DA | ALCJB252DA | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR253 | ALCJB253 | ALC125KG143 | 1 | ALCIP38 | 2 |
| ALCQJR253D | ALCJB253D | ALC125KG143 | 1 | ALCIP38 | 2 |
| ALCQJR254 | ALCJB254 | ALC125KG143 | 1 | ALCIP38 | 2 |
| ALCQJR254D | ALCJB254D | ALC125KG286 | 1 | ALCIP38 | 2 |
| ALCQJR321 | ALCJB321 | ALC125KG286 | 1 | ALCIP38 | 1 |
| ALCQJR322 | ALCJB322 | ALC125KG286 | 1 | ALCIP38 | 2 |
| ALCQJR323 | ALCJB323 | ALC125KG286 | 1 | ALCIP38 | 3 |
| ALCQJR324 | ALCJB324 | ALC125KG286 | 1 | WATIP180 | 1 |
| ALCQJ25 | ALCJB25 | ALC125KG143 | 1 | N/A | 0 |
| ALCQJRWQB0 | ALCWQB-0 | ALC125KG286 | 2 | WATIP180 | 1 |
| ALCQJRWQB1 | ALCWQB-1 | ALC125KG286 | 2 | WATIP180 | 1 |
| ALCQJRWQB2 | ALCWQB-2 | ALC125KG286 | 3 | WATIP180 | 1 |
| ALCQJRWQB3 | ALCWQB-3 | ALC125KG730 | 2 | WATIP180 | 2 |
| ALCQJRWQB4 | ALCWQB-4 | ALC125KG730 | 2 | WATIP180 | 2 |

Non-Removable PUR Resin Sealing Kits

| Sealing Kit Part No | Quickbox/ Junction Box Part No | Non-Removable filler | | Insulputty sealer | |
|---------------------|--------------------------------|----------------------|---------|-------------------|---------|
| | | part number | no. req | part number | no. req |
| ALCQJN161 | ALCJB161 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN162 | ALCJB162 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN163 | ALCJB163 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN164 | ALCJB164 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN201 | ALCJB201 | ALC124EG80 | 1 | ALCIP38 | 1 |
| ALCQJN201D | ALCJB201D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN202 | ALCJB202 | ALC124EG80 | 1 | ALCIP38 | 1 |
| ALCQJN202A | ALCJB202A | ALC124EG80 | 1 | ALCIP38 | 1 |
| ALCQJN202D | ALCJB202D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN202DA | ALCJB202DA | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN203 | ALCJB203 | ALC124EG80 | 1 | ALCIP38 | 1 |
| ALCQJN203D | ALCJB203D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN204 | ALCJB204 | ALC124EG80 | 1 | ALCIP38 | 1 |
| ALCQJN204D | ALCJB204D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN251 | ALCJB251 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN251D | ALCJB251D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN252 | ALCJB252 | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN252A | ALCJB252A | ALC124EG143 | 1 | ALCIP38 | 1 |
| ALCQJN252D | ALCJB252D | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN252DA | ALCJB252DA | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN253 | ALCJB253 | ALC124EG143 | 1 | ALCIP38 | 2 |
| ALCQJN253D | ALCJB253D | ALC124EG143 | 1 | ALCIP38 | 2 |
| ALCQJN254 | ALCJB254 | ALC124EG143 | 1 | ALCIP38 | 2 |
| ALCQJN254D | ALCJB254D | ALC124EG286 | 1 | ALCIP38 | 2 |
| ALCQJN321 | ALCJB321 | ALC124EG286 | 1 | ALCIP38 | 1 |
| ALCQJN322 | ALCJB322 | ALC124EG286 | 1 | ALCIP38 | 2 |
| ALCQJN323 | ALCJB323 | ALC124EG286 | 1 | ALCIP38 | 3 |
| ALCQJN324 | ALCJB324 | ALC124EG286 | 1 | WATIP180 | 1 |
| ALCQJNER25 | ALCJB25 | ALC124EG80 | 1 | N/A | 0 |
| ALCQJNWB0 | ALCWB-0 | ALC124EG464 | 1 | WATIP180 | 1 |
| ALCQJNWB1 | ALCWB-1 | ALC124EG464 | 1 | WATIP180 | 1 |
| ALCQJNWB2 | ALCWB-2 | ALC124EG1000 | 1 | WATIP180 | 1 |
| ALCQJNWB3 | ALCWB-3 | ALC124EG1500 | 1 | WATIP180 | 2 |
| ALCQJNWB4 | ALCWB-4 | ALC124EG1500 | 1 | WATIP180 | 2 |

See page 21 for Sealing Kit information



Alco provides an extensive range of flexible conduit including PVC hose, corrugated and Anaconda flexible metal conduit. We also offer a full range of PVC rigid conduit fittings, junction boxes, quick boxes and accessories ranging from conduit bending springs and wire pulling products. To view our full range, please see our Flexible Conduit & Conduit Fittings Catalogue.

Simply call our service centre on 1300 300 747 for your FREE copy now!

Specialty Kit

| Universal Cable Repair Kit | | | ALCRESKIT 1 |
|----------------------------|---------------------|---------------------|-------------|
| Part No. | Description | Conductor Size | QTY |
| WATMH4NW | Ratchet Crimper | - | 1 |
| ALC124M11 | Type M11 Cast Resin | - | 4 |
| ALCLK2.5/100 | Crimp Link | 2.5mm ² | 100 |
| ALCLK4/100 | Crimp Link | 4.0mm ² | 100 |
| ALCLK6/50 | Crimp Link | 6.0mm ² | 50 |
| ALCLK10/50 | Crimp Link | 10.0mm ² | 50 |



ALCRESKIT1 - Total Pieces 305

Specialty Tapes



High Voltage Insulation Tape

Features

- For insulation of plastic cable conductors up to 69kV
- Superior electrical, mechanical and thermal properties
- High life cycle and operating security
- Good dielectrical features
- Self-amalgamating
- Fully removable
- Extremely weatherproof and ductile
- Very good adhesive properties to a wide range of materials

Specifications

| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
|-------------|--------|----------------|------------|------------|
| ALC125HVT60 | No. 60 | 0.50 | 19 | 10 |
| ALC145HVT62 | No. 62 | 0.75 | 19 | 10 |



Conducting Tape

Features

- Highly conformable to irregular shapes
- Retains conductivity when stretched
- Good dielectrical and physical properties
- High life cycle and operating security
- Welds quickly to a homogeneous mass without cavities
- Printed "CAUTION-CONDUCTING TAPE"
- High heat resistance
- Self-amalgamating and extremely ductile

Specifications

| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
|--------------|--------|----------------|------------|------------|
| ALC125CONT61 | No. 61 | 0.75 | 19 | 5 |



Sealing Mastic Tape

Features

- Excellent adhesion and sealing characteristics to metals, glass, rubber and plastic
- Improves sealing and cable terminations
- Good dielectrical and physical properties
- Durable
- Quick and easy insulation and sealing of objects
- Does not crack even after repeated flexing
- Black in colour

Specifications

| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
|-----------|------|----------------|------------|------------|
| ALC127SMT | HKB | 3 | 20 | 3 |



Double Sided Tape

Features

- Multipurpose double sided tape
- Thicker double sided adhesive for greater adhesion to irregular surfaces
- Excellent for general purpose mounting and joining applications

Specifications

| Part No. | Thickness (mm) | Width (mm) | Length (m) |
|----------|----------------|------------|------------|
| WATDST12 | 1.7 | 12 | 10 |
| WATDST18 | 1.7 | 18 | 10 |
| WATDST24 | 1.7 | 24 | 10 |



PVC Electrical Insulating Tape

Features

- For superior insulation of electrical cables
- Self adhesive tape
- For bundling cables and lines
- High flexibility
- Safe and easy to use
- Temperature range of -10 °C to +80 °C
- Rainbow pack comes in pack of 10

Specifications

| Part No. | Colour | Thickness (mm) | Width (mm) | Length (m) |
|-------------|--------------|----------------|------------|------------|
| WATPVCGYLT | Green/Yellow | 0.18 | 18 | 20 |
| WATPVCOLT | Orange | 0.18 | 18 | 20 |
| WATPVCRLT | Red | 0.18 | 18 | 20 |
| WATPVCWLT | White | 0.18 | 18 | 20 |
| WATPVCGLT | Grey | 0.18 | 18 | 20 |
| WATPVCBLULT | Blue | 0.18 | 18 | 20 |
| WATPVCBLALT | Black | 0.18 | 18 | 20 |
| WATPVCBRLT | Brown | 0.18 | 18 | 20 |
| WATPVCRP | Rainbow Pack | 0.15 | 18 | 20 |



PVC Duct Tape

Features

- PVC sealing and joining duct tape
- Coated with pressure-sensitive adhesive
- Grey in colour
- Moisture, corrosion & weather resistant tape
- Provides excellent protection
- PVC tape suitable for joining flexible duct

Specifications

| Part No. | Description | Thickness (mm) | Width (mm) | Length (m) |
|----------|-------------|----------------|------------|------------|
| WATPVCDT | Duct Tape | 0.13 | 48 | 30 |




Pressure Tape

| Features | | | | |
|---------------------------------|--------|-------------------------|------------|------------|
| • For sealing cast resin joints | | | | |
| • Transparent in colour | | | | |
| Specifications | | | | |
| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
| ALC125PT711 | No. 71 | 0.15 | 25 | 33 |
| ALC125PT712 | No. 71 | 0.15 | 38 | 33 |
| Technical Data | | Value | | |
| Tensile strength | | 12 N/mm ² | | |
| Elongation at break | | 400% | | |
| Temperature resistance | | + 100 °C | | |
| Dielectric strength | | 78 kV/mm | | |
| Volume resistivity | | 10 ¹³ Ω x cm | | |




Repair Tape

| Features | | | | |
|---|--------|-------------------------|-------------|------------|
| • Self-amalgamating | | | | |
| • For repairing damaged sheaths of plastic and rubber insulated cables and connectors | | | | |
| • Very good electrical properties | | | | |
| • Excellent tensile strength | | | | |
| • 100% Waterproof | | | | |
| • Black in colour | | | | |
| Specifications | | | | |
| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
| ALC125RT72 | No. 72 | 0.75 | 25 | 10 |
| Technical Data | | Value | Test Method | |
| Tensile strength | | 2 N/mm ² | ASTM D 412 | |
| Elongation at break | | 600% | ASTM D 412 | |
| Temperature resistance | | + 90 °C | - | |
| Dielectric strength | | 40 kV/mm | ASTM D 149 | |
| Volume resistivity | | 10 ¹⁵ Ω x cm | ASTM D 257 | |
| Water absorption (24 h) | | 0.4% | ASTM D 570 | |
| Dielectric constant (50 Hz) | | 2.5 A x s/V x m | ASTM D 150 | |
| Loss factor (50 Hz) | | 0.0014 | ASTM D 150 | |



Sealing Tape

| Features | | | | |
|---|--------|----------------------------|------------|------------|
| • Excellent adhesion to metal, glass and plastic | | | | |
| • Good dielectrical and physical properties | | | | |
| • Self-amalgamating | | | | |
| • Permanently elastic | | | | |
| • Suitable for connections with acrylic and epoxy resin compound | | | | |
| • For sealing and repairing cables | | | | |
| • Provides weatherproof sealing and protection against dust, humidity and corrosion | | | | |
| • Black in colour | | | | |
| Specifications | | | | |
| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
| ALC125ST64 | No. 64 | 3.20 | 38 | 1.52 |
| Technical Data | | Value | | |
| Water absorption | | 0.1% | | |
| Dielectric strength | | 16 kV/mm | | |
| Dielectric constant (50 Hz) | | 3.1 A x s/V x m | | |
| Power factor (50 Hz) | | 0.025 | | |
| Volume resistivity (20 °C) | | 2 x 10 ¹⁰ Ω x m | | |
| Temperature range | | -30 °C to +80 °C | | |
| Elongation at break | | > 1000% | | |
| Tensile strength | | 0.12 N/mm | | |



Underground Marking Tape

| Features | | | |
|--|--------|------------|------------|
| • Bright non-adhesive PVC underground identification tape | | | |
| • Acts as warning for dangerous situations | | | |
| • Eye catching large letters printed on non-adhesive tape | | | |
| • Great for trench identification | | | |
| • Orange reflective tape for vibrant daytime visibility | | | |
| • Printed 'CAUTION - ELECTRICAL CABLE BELOW' (orange) without wire tracer | | | |
| • Printed 'CAUTION - BURIED COMMUNICATIONS BELOW' (white) with wire tracer | | | |
| Specifications | | | |
| Part No. | Colour | Width (mm) | Length (m) |
| WATPVCUMT | Orange | 150 | 500 |
| WATUMTW250 | White | 150 | 250 |
| WATUMT100 | Orange | 150 | 100 |



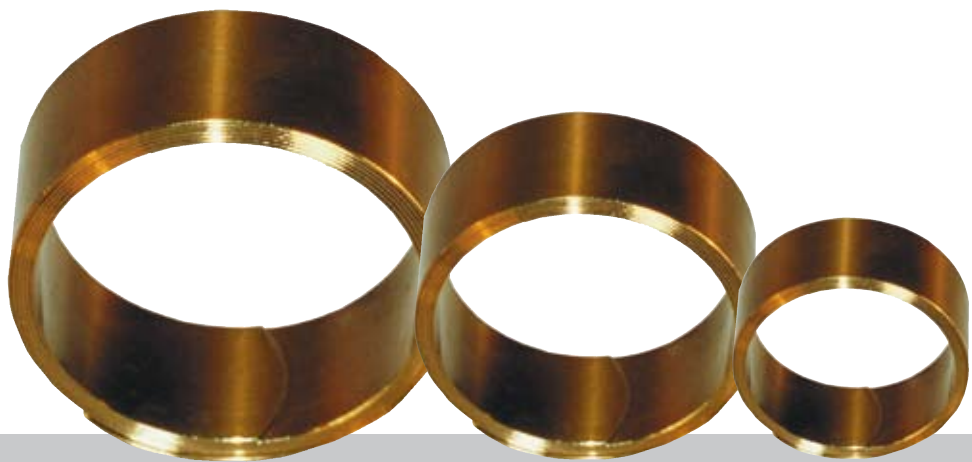
Caution Tape



Copper Braid Tape

| Features | | | | |
|---|--------|----------------|------------|------------|
| • Woven tinned copper wires | | | | |
| • Extremely flexible | | | | |
| • Strong | | | | |
| • Fits all contours without folds | | | | |
| • Ideal for shielding and protecting cables | | | | |
| • Silver in colour | | | | |
| Specifications | | | | |
| Part No. | Type | Thickness (mm) | Width (mm) | Length (m) |
| ALC126CBT631 | No. 63 | 0.5 | 25 | 5 |
| ALC126CBT633 | No. 63 | 0.5 | 60 | 5 |

| Features | | | |
|--|--------|------------|------------|
| • Bright yellow reflective tape for vibrant daytime visibility | | | |
| • Suitable for outdoor use | | | |
| • Tape has aggressive adhesive that sticks to any clean, dry surface | | | |
| • Printed 'CAUTION - Temporary Construction Wiring' | | | |
| Specifications | | | |
| Part No. | Colour | Width (mm) | Length (m) |
| WATCTAPE | Yellow | 38 | 50 |

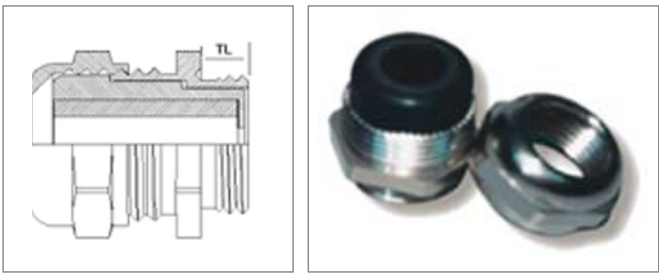


Pressure Spring

| Part No | Type | For Cable (mm) | External Diameter (mm) | Width (mm) |
|-------------|--------|----------------|------------------------|------------|
| ALC126PS0 | RF 0 | 6-10 | 5.7 | 16 |
| ALC126PS0.5 | RF 0.5 | 9-14 | 8.5 | 16 |
| ALC126PS1 | RF 1 | 13-22 | 13.0 | 16 |
| ALC126PS2 | RF 2 | 17-28 | 17.5 | 16 |
| ALC126PS3 | RF 3 | 24-37 | 21.5 | 16 |
| ALC126PS4 | RF 4 | 33-49 | 29.0 | 16 |
| ALC126PS5 | RF 5 | 44-70 | 37.8 | 20 |
| ALC126PS6 | RF 6 | 55-92 | 51.3 | 20 |

Features - Pressure Spring

- For a solder free electric connection between metal cable elements and earthing devices
- Used for cast resin, heatshrink and medium voltage joints
- Corrosion free
- Excellent mechanical stability
- Assures constant radial pressure
- Made from special stainless steel metal
- Copper in colour
- Pressure springs are non-current carrying parts



These cable glands are constructed with a double seal, which provides a wide range of clamping. For high temperature resistance the gland can be produced with special silicone sealing.

- Body and Cap: Brass Nickel Plated
- Sealing: Neoprene
- Clamping: Polyamide 6
- O Ring: NBR
- Protection Class: IP 68

| Part No. | Thread Diameter (mm) | Cable OD (mm) | Thread Length (mm) | Diameter Across Flats (mm) |
|----------|----------------------|---------------|--------------------|----------------------------|
| ALCHTG12 | M12 x 1.5 | 4.0-6.0 | 5 | 14 |
| ALCHTG16 | M16 x 1.5 | 4.0-9.0 | 5 | 18 |
| ALCHTG20 | M20 x 1.5 | 7.0-13.0 | 6 | 22 |
| ALCHTG25 | M25 x 1.5 | 10.0-18.0 | 7 | 28 |
| ALCHTG32 | M32 x 1.5 | 16.0-24.0 | 8 | 35 |
| ALCHTG40 | M40 x 1.5 | 22.0-32.0 | 8 | 45 |



Cleaner/Degreaser

Features

- Contains two individually sealed towelettes (ALCHP-P158ID)
- One wipe is lightly saturated, while the other wipe is dry (ALCHP-P158ID)
- Convenient and no need for rags (ALCHP-P158ID)
- No wasted solvent
- Quick and easy to use
- Low level of toxicity
- Does not form vapours quickly
- Suitable for cleaning and degreasing
- One cleaner for all electrical cleaning needs
- For general industrial and maintenance needs

Specifications

| Part No | Description |
|--------------|---|
| ALCHP-P158ID | Multipurpose Cleaner/Degreaser |
| ALCHP-35LR | Trigger Sprayer Cleaner/Degreaser Size: 0.95 Litres |

| Technical Data | Value | Test Method |
|---------------------------|-----------------|---------------|
| Dielectric Strength | >40KV | |
| Relative Evaporation Rate | Medium | |
| Residue | > 100 ppm | ASTM D 2369 |
| Flashpoint | > 60.5°C | ASTM D 56 |
| Initial Boiling Point | 185°C | |
| Specific Gravity | 0.79 | |
| Percent Aromatics | < 1% | |
| Propellant (aerosol only) | CO ₂ | |
| Cleaning strength | Excellent | |
| KB value | 33 | |
| Water content | < 50 ppm | ASTM D 153313 |



Solvent Wipe

Features

- Pre-saturated solvent wipes sealed in foil pouch
- Non-conductive and compatible with most materials
- Fast evaporating and non-flammable cleaner
- Excellent solvency properties
- Ideal for field use

Specifications

| Part No | Size |
|---------|---------|
| ALCTR-1 | 5" x 8" |



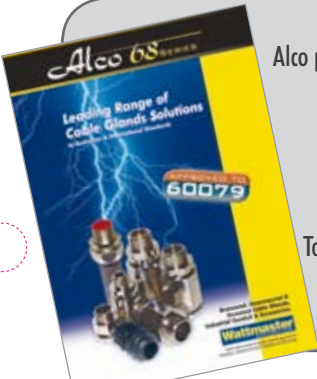
Sanding Cloth

Features

- Sanding cloth for cable cleaning
- Non-conductive aluminium oxide sanding cloth
- Resists shredding
- Eliminates waste
- Easy to use

Specifications

| Part No | Width (mm) | Length (m) |
|-----------|------------|------------|
| ALCSPROLL | 25 | 45 |

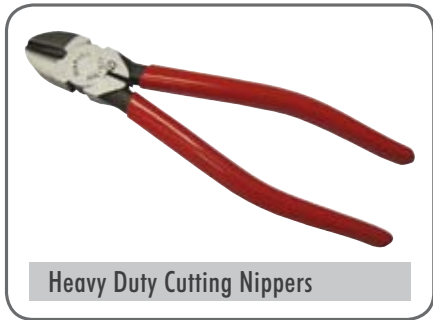


Alco provides a comprehensive range of armoured, unarmoured and screened cable glands for indoor and outdoor applications that are designed in Australia to meet Australian and international standards.

We also offer a full range of Anaconda metal conduit and fittings, and cable gland solutions ranging from accessories such as shrouds, locknuts and earth tags.

To view our full range, please see our Alco Cable Glands & Cable Accessories Catalogue.

Simply call our service centre on 1300 300 747 for your FREE copy now!



Heavy Duty Cutting Nippers

- Features
- Tough nippers with bevelled blades
 - Recarbonised for extra surface hardness to handle hardened steel wires
 - Drop forged vanadium steel, heat treated
 - Bevelled edge cutter
 - Cuts steel and copper wire
 - Ground head
 - Dipped vinyl grips
 - Black finish with polished jaws
- Specifications

| Part No. | Length (mm) | Weight (g) |
|----------|-------------|------------|
| WATMA620 | 175 | 200 |



High Leverage Cutting Nippers

- Features
- High leverage design with bevelled blades
 - For heavy duty cutting of steel wires
 - Drop forged nickel chrome steel
 - Black finish with polished jaws
 - Dipped vinyl grips
- Specifications

| Part No. | Length (mm) | Weight (g) |
|----------|-------------|------------|
| WATMA730 | 200 | 340 |



Cable Cutter

- Features
- Blades and handles are one piece drop forged carbon steel
 - Polished head with dipped vinyl grips
 - Cuts copper cable
- Specifications

| Part No. | Length (mm) | Weight (g) |
|----------|-------------|------------|
| WATUPWB | 200 | 320 |



Industrial Cable Cutter

- Features
- Suitable for cutting steel wire rope, low carbon steel and aluminium cable
 - Made from high carbon steel
 - Cuts up to 400mm² stainless steel and aluminium cable
 - Cuts up to 12mm diameter steel wire rope
- Specifications

| Part No. | Weight (kg) | Size (mm) |
|----------|-------------|----------------------|
| WATCCJ13 | 1.8 | 340 (500) x 130 x 40 |



Industrial Cable Cutter

- Features
- This cable cutter is used to cut steel wire rope
 - Made from high carbon steel
 - Cuts up to 20mm diameter steel wire rope
- Specifications

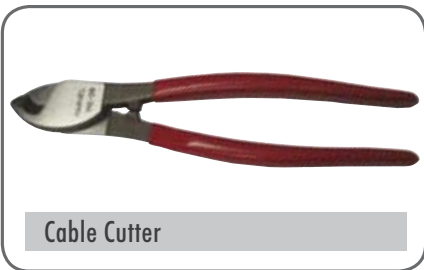
| Part No. | Weight (kg) | Size (mm) |
|----------|-------------|----------------------|
| WATCCJ14 | 1.8 | 340 (500) x 130 x 40 |



Cable Cutter

- Features
- Lightweight
 - Blades and handles are one piece drop forged steel
 - Blade shape is designed to cut without distortion
 - Polished head with dipped vinyl grips
 - Cushioned grips
- Specifications

| Part No. | Length (mm) | Weight (g) | Max copper cable area |
|----------|-------------|------------|-----------------------|
| WATME22C | 160 | 185 | 22 mm ² |



Cable Cutter

- Features
- Lightweight
 - Blades and handles are one piece drop forged steel
 - Blade shape is designed to cut without distortion
 - Polished head with dipped vinyl grips
 - Handy pocket or pouch cutter for one handed use
 - Black finish with polished jaws
- Specifications

| Part No. | Length (mm) | Weight (g) | Max copper cable area |
|----------|-------------|------------|-----------------------|
| WATME38 | 210 | 260 | 38 mm ² |



Cable Cutter

- Features
- Lightweight
 - Blades and handles are one piece drop forged carbon steel
 - Blade shape is designed to cut without distortion
 - Precise pivot adjustment for smooth handle action
 - Polished head with dipped vinyl handles for better grip
- Specifications

| Part No. | Length (mm) | Weight (g) | Max copper cable area |
|----------|-------------|------------|-----------------------|
| WATME60 | 235 | 430 | 60 mm ² |



Industrial Cable Cutter

- Features
- Do not cut steel wire
 - Made from high carbon steel
 - Cuts up to 300mm² copper aluminium armoured steel
 - Cuts up to 1000 pairs of communication cable
 - Max aluminium cable size is limited by the size of the blades
- Specifications

| Part No. | Weight (kg) | Size (mm) |
|----------|-------------|----------------|
| WATCCJ40 | 1.1 | 325 x 120 x 35 |



Industrial Cable Cutter

- Features
- Cutter not suitable for cutting steel wire
 - Max aluminium cable size is limited by the size of the blades
 - Blades can be resharpened and replaced
 - Cutter can be used in water and can be washed after use
 - Cuts 3 x 120mm² armoured cable
- Specifications

| Part No. | Weight (kg) | Size (mm) |
|----------|-------------|----------------------|
| WATCCJ76 | 3.7 | 400 (600) x 205 x 50 |



Ratchet Cable Cutter

Features

- Ratchet controlled with release option
- One hand operation
- Locking lever
- Cuts copper and aluminium cable with blur free cut
- Made from high strength special steel
- Ergonomically shaped handles with non-slip grip

Specifications

| Part No. | Weight (g) | Max Cable Diameter | |
|----------|------------|--------------------|---------------|
| | | Standard (mm) | Solid (mm) |
| WATSH320 | 250 | 32 | 25/15 (CU/AL) |
| WATSH500 | 500 | 52 | 25/15 (CU/AL) |



Universal Crimping Tool

Features

- Crimping tool can be used with most common terminals and connectors
- Made from hardened 3mm special alloy steel
- Ratchet mechanism
- Hardened die sets
- Dies not in use can be stored in handles
- 3-in-1 crimping tool crimps pre-insulated, non-insulated and bootlace terminals
- Crimping dies can be changed within seconds by simple 'click' action, no screws required

Specifications

| Part No. | Length (mm) | Weight (g) |
|-------------------------|---------------------------|------------|
| WATK007 | 240 | 780 |
| Crimping Size (mm²) | | |
| Pre-insulated terminals | 0.5-1.5, 1.5-2.5, 2.5-6.0 | |
| Non-insulated terminals | 0.5-10.0 | |
| Bootlace terminals | 0.5-10.0 | |



Ratchet Crimping Tool

Features

- For crimping non-insulated copper terminals
- Light and easy to operate
- Complete crimp with one hand
- Jaws made of chrome molybdenum steel
- Long lasting precision tool
- Nickel chrome plated handles with non-slip vinyl grips
- Black finished jaws

Specifications

| Part No. | Length (mm) | Weight (g) | Crimper Terminal Size (mm²) |
|----------|-------------|------------|-----------------------------|
| WATMH88 | 280 | 500 | 2.5, 6.0, 10.0, 16.0 |
| WATMH61S | 260 | 430 | 1.5, 2.5, 6.0, 10.0 |



Wire Stripper

Features

- Strips small diameter cables in a single movement
- Precision ground special tool steel blades cut cleanly through insulation & avoid damage to conductors
- Gentle action to handle fine cables
- Diecast alloy body with vinyl grips
- Locking action prevents the jaws snapping back onto stripped cables
- Adjustable stops allows consistent stripping length

Specifications

| Part No. | Length (mm) | Weight (g) | Cable Sizes (mm²) |
|-----------|-------------|------------|-----------------------------------|
| WATMES202 | 170 | 365 | 0.5-0.75, 1.0, 1.5, 2.5, 4.0, 6.0 |
| WATMES301 | 170 | 365 | 22, 20, 18, 16-4, 12, 10 AWG |



Swivel Blade Cable Strippers

Features

- Adjustable cutting depth for various circular cables to help prevent any change to conductors
- Light weight and supplied with additional spare blade
- Strips rubber, PVC, teflon and polyethylene
- Centre or end stripping
- Made from high grade wear-resistant polyamide

Specifications

| Part No. | Conductor Stripping Diameter | Length (mm) | Weight (g) |
|----------|------------------------------|-------------|------------|
| WAT10160 | 4 - 16 mm | 122 | 75 |
| WAT10270 | 8 - 28 mm | 122 | 75 |
| WAT10280 | 8 - 28 mm | 165 | 85 |
| WAT10350 | 27 - 37 mm | 150 | 106 |
| WAT10500 | 35 - 50 mm | 170 | 117 |



Combination Crimping Pliers

Features

- Heavy duty combination crimping pliers
- Nickel chrome plated with non-slip vinyl grips
- Dies cast from chrome molybdenum steel and heat treated
- Combination wire stripper / crimper for pre-insulated terminals
- Terminal crimping size - 6.0, 10.0, 16.0, 25.0 mm²

Specifications

| Part No. | Length (mm) | Weight (g) |
|------------|-------------|------------|
| WATKS2045E | 350 | 800 |



Hand Operated Mechanical Crimper

Features

- Hand operated mechanical crimping tool for copper lugs and links
- Built-in crimp die set to range of different sizes
- No dies to replace; simply rotate die to required crimp size
- Bonus 120mm² cable cutter included
- Crimping range: 6-120mm²
- Crimping Type: Hexagonal

Specifications

| Part No. | Length (mm) | Weight (g) |
|-------------|-------------|------------|
| WATMECH120P | 600 | 3920 |



Power Blade Cable Cutter

Features

- Versatile, fits any drill that accepts 3/8" drive shaft
- Sturdy blades ensure consistent cuts and durability
- Cable distortion is minimized due to blade design
- Non-slip handle for ease and comfort
- Easy to use
- Cuts up to 40mm overall cable diameter

Specifications

Part No - WATPBCC35-078



Electrician's Knife

Features

- Single folding blade knife
- Hollow ground, heavy duty blade
- Heat treated carbon steel blade
- Blade protected by non-conducting hardwood handle
- Blade hand honed for sharpness
- Convenient folding blade
- Heavy duty blade made of special high carbon steel

Specifications

| Part No. | Blade length (mm) | Length (mm) | Weight (g) |
|-----------|-------------------|-------------|------------|
| WATMEK70J | 70 | 120 | 140 |



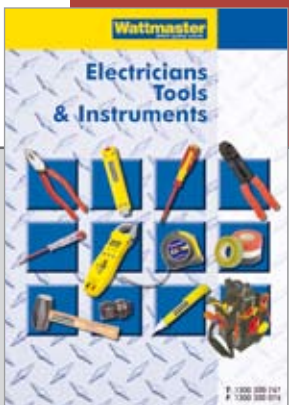
Semi Automatic Utility Knife

Features

- Auto - loading with comfort grip
- Includes 10 spare blades
- Heavy duty zinc alloy body
- Retractable blade
- 3 blade positions

Specifications

| Part No. | Blade length (mm) | Length (mm) | Weight (g) |
|----------|-------------------|-------------|------------|
| WATUKSA | 19 | 175 | 300 |



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- Rola-case Storage Systems
- Witte Screwdrivers & Accessories
- Alco Cable Glands

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