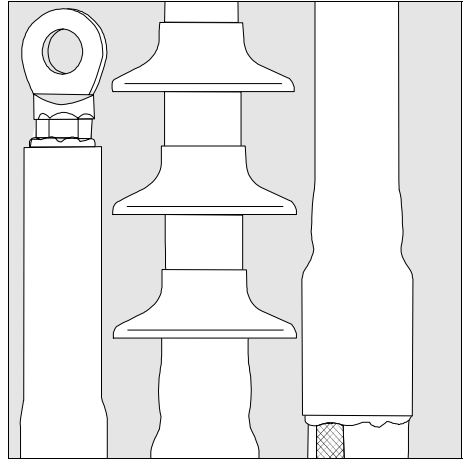


Raychem



**Installation Instruction
EPP-0022-3/94**

**Terminations for Plastic
and Rubber Insulated
Cables up to 1 kV with
Wire Armour**

Tyco Electronics Raychem GmbH
Energy Division
Haidgraben 6
D-85521 Ottobrunn
Munich, Germany
Tel. (089) 6089-0
Fax (089) 6096345

Before Starting

Check to ensure that the kit you are going to use fits the cable.

Refer to the kit label and the title of the installation instruction.

Components or working steps may have been improved since you last installed this product.

Carefully read and follow the steps in the installation instruction.

General Instructions

Use a propane (preferred) or butane gas torch.

Ensure the torch is always used in a well ventilated environment.

Adjust the torch to obtain a soft blue flame with a yellow tip.

Pencil-like blue flames should be avoided.

Keep the torch aimed in the shrink direction to preheat the material.

Keep the flame moving continuously to avoid scorching the material.

Clean and degrease all parts that will come into contact with adhesive.

If a solvent is used follow the manufacturer's handling instructions.

Tubing should be cut smoothly with a sharp knife leaving no jagged edges.

Start shrinking the tubing at the position recommended in the instruction.

Ensure that the tubing is shrunk smoothly all around before continuing along the cable.

Tubing should be smooth and wrinkle free with inner components clearly defined.

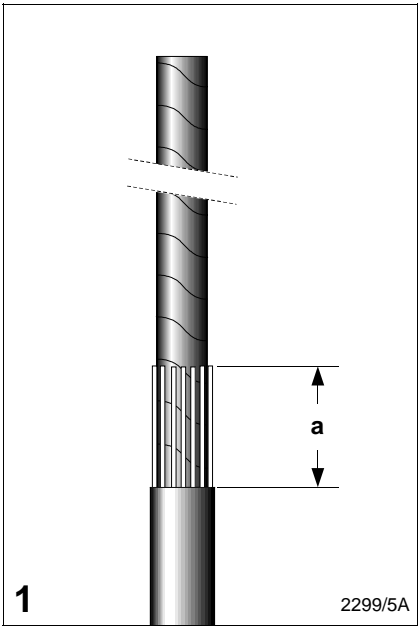
The Information contained in these installation instructions is for use only by installers trained to make electrical power installations and is intended to describe the correct method of installation for this product. However, Tyco Electronics has no control over the field conditions which influence product installation.

It is the user's responsibility to determine the suitability of the installation method in the user's field conditions. Tyco Electronics' only obligations are those in Tyco Electronics' standard Conditions of Sale for this product and in no case will Tyco Electronics be liable for any other incidental, indirect or consequential damages arising from the use or misuse of the products.
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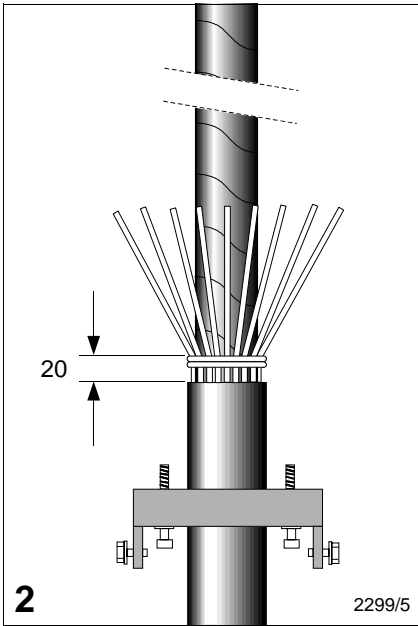
Cable Preparation

Table 1

Size of Conductor (mm ²)	a (mm)
4-16	80
25-50	120
70-150	140
185-300	140
500	140



Trim the cable to the required length. Remove the overshooth. Remove the armour as shown in the drawing. Clean the end of the overshooth for a length of about 250 mm.



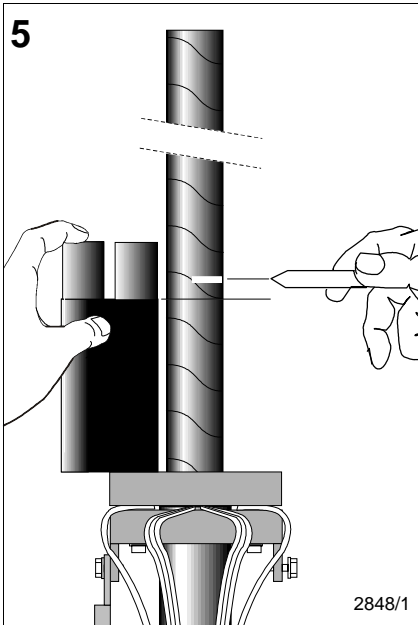
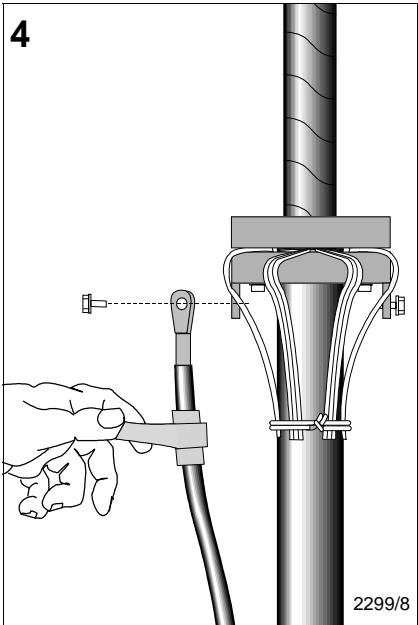
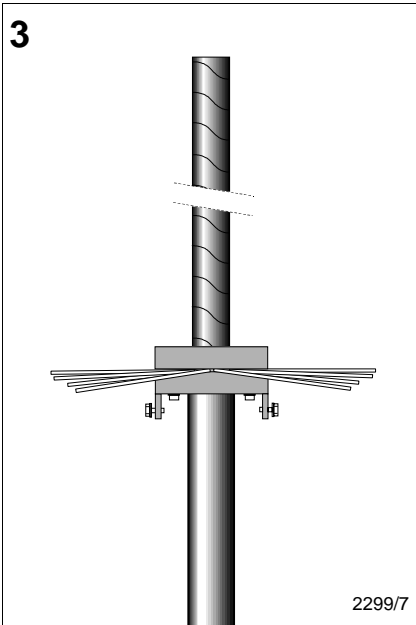
Disassemble the clamping rings. Slide one clamping ring lug-downwards over the cable. Bind the armour wires down with wire about 20 mm from the end of the overshooth. Spread the armour wires as shown in the picture.

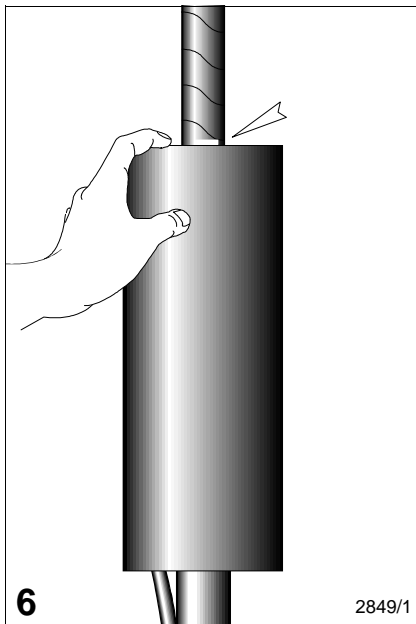
Bend the armour wires back onto the overshooth and bind the ends to the overshooth with wire or plastic tape. Wrap the red sealant tape around the earth lead so that it is just below the armour wire ends. Attach the earth lead to the lug of the clamping ring.

Note: All sharp armour wire ends must be covered with plastic tape.

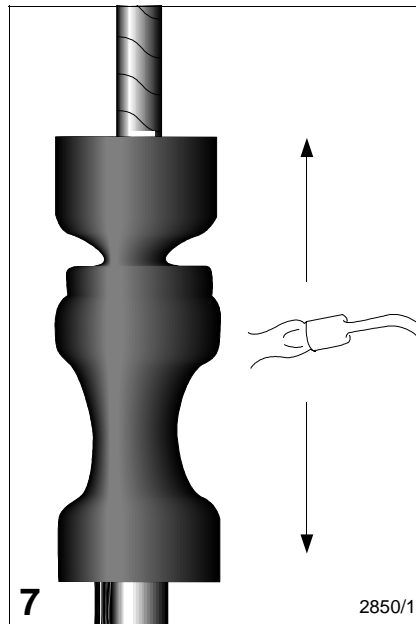
Screw the other clamping ring to the lugged clamping ring.

Mark the cable 20 mm above the mould line of the breakout.

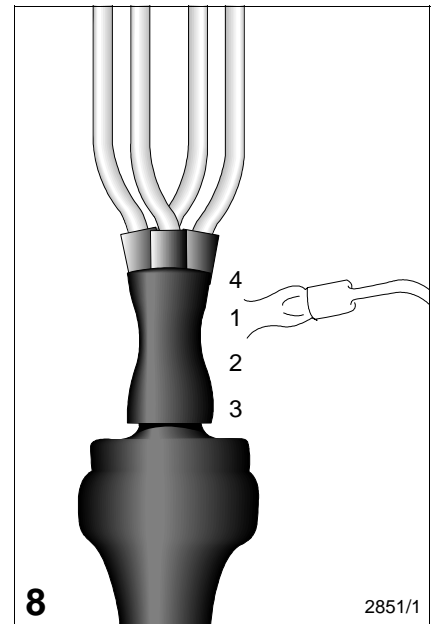




Slide the outer sleeve over the armour clamping rings. Position the top of the outer sleeve level with the mark on the cable.



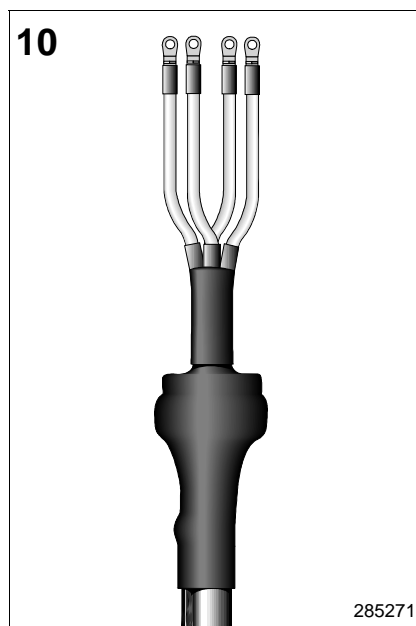
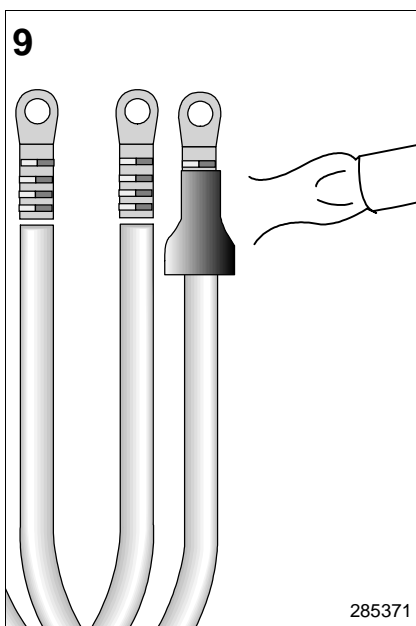
Shrink the outer sleeve into place starting at the centre. Shrink the lower end onto the armour wires and oversheath first, then the upper end.



Remove the bedding and any filler at the end of the outer sleeve. Pass the breakout over the cores and pull it well down into the crutch. Shrink the breakout into place starting at the centre. Shrink the lower end first, then the turrets onto the cores. The numbers in the drawing indicate the shrink sequence.

Cut the insulation back to the appropriate connector barrel length.
Install the connectors.
Remove any sharp edges.
Clean and degrease the connector and insulation. Preheat the connectors.
Position the sealing boots so that they cover the cores and connectors equally and shrink them into place.
Note: For outdoor applications use water-blocked connectors.

Termination completed.



Please dispose of all waste according to environmental regulations.

