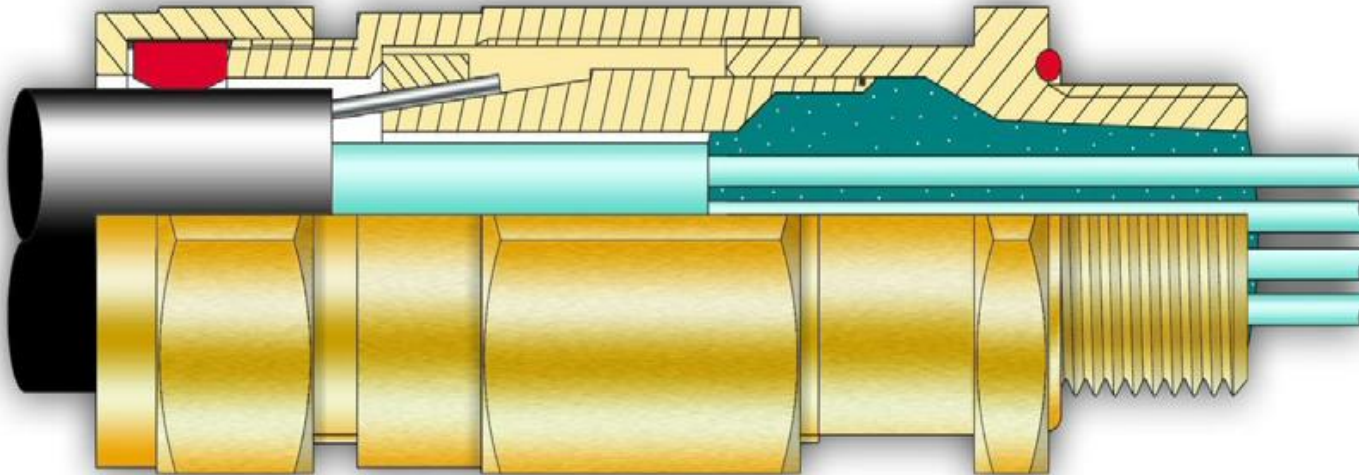


Installation Guide for Peppers CR-C*** Range of Compound Barrier Cable Glands



CR-C*** Type Installation Guide

- This presentation is a visual guide to aid with the installation of Peppers CR-C*** range of cable glands. It should only be used in conjunction with the supplied installation instructions. Please note that the assembly in the presentation is made off in a clearance hole as no threaded entry was available at the time. The CR-C*** range of cable glands are intended for use in threaded entries complying with the requirements of IEC 60079-1.
- It is the user/installers responsibility to ensure that the integrity of the installation is secure before energizing any equipment.
- Where applicable all installations should be conducted in accordance with the appropriate local, national or international standards and codes of practice

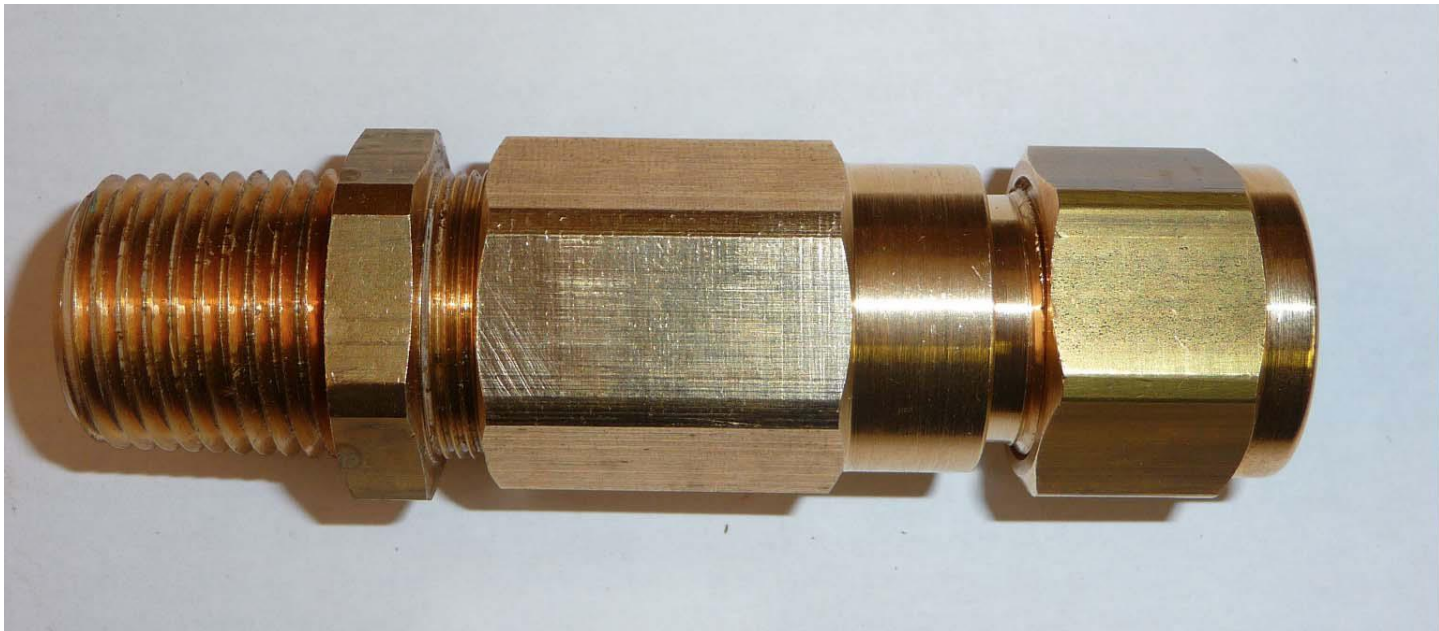
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The CR-C*** Type Cable Gland Kit including gland, barrier compound, assembly instructions and installation gloves.



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The CR-C*** Type Cable Gland



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1. Split gland as shown.



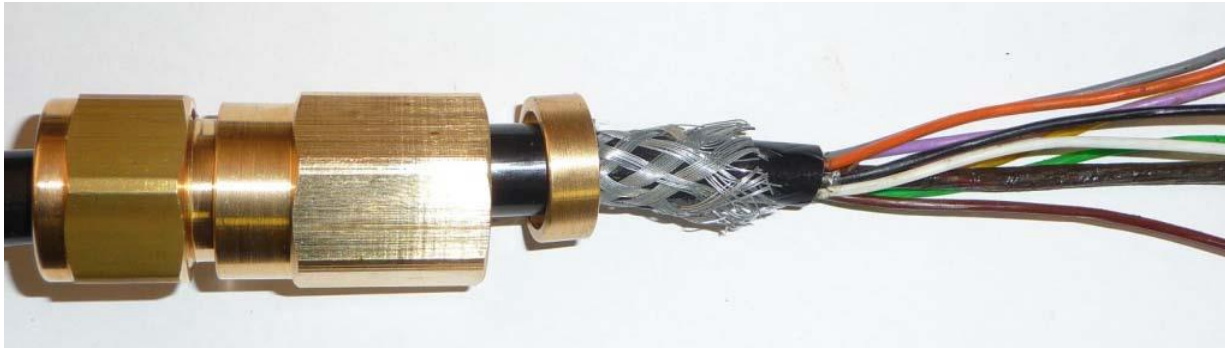
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2. Fit Entry Body. Hand-tighten. Then, using a wrench, tighten a further $\frac{1}{2}$ turn



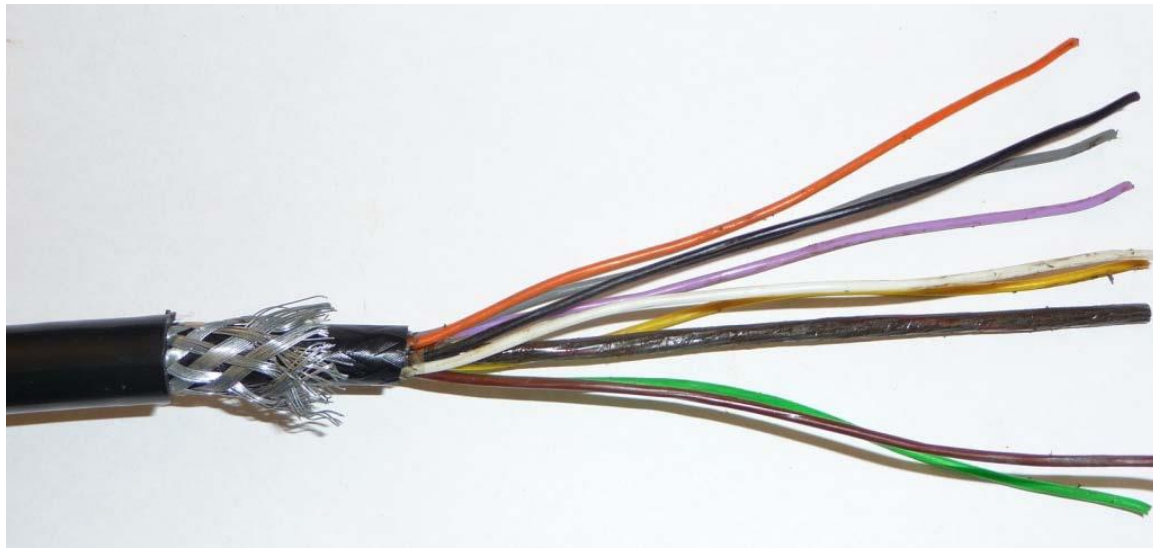
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3. Slide Back Nut, Mid Cap and Clamp onto cable.



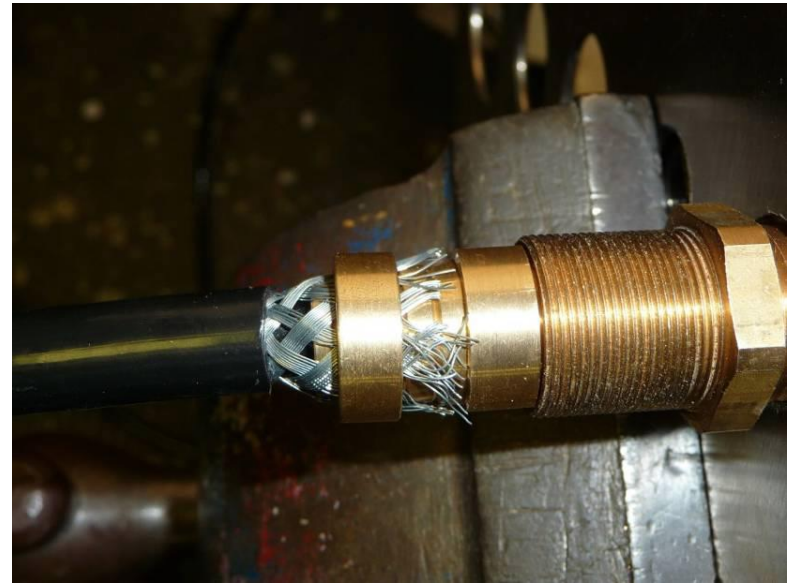
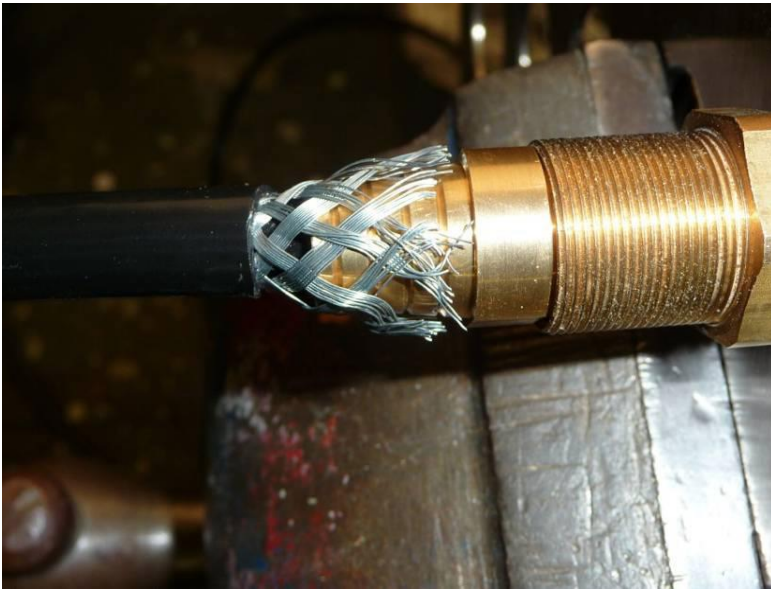
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- 4 . Prepare cable as detailed in instructions.



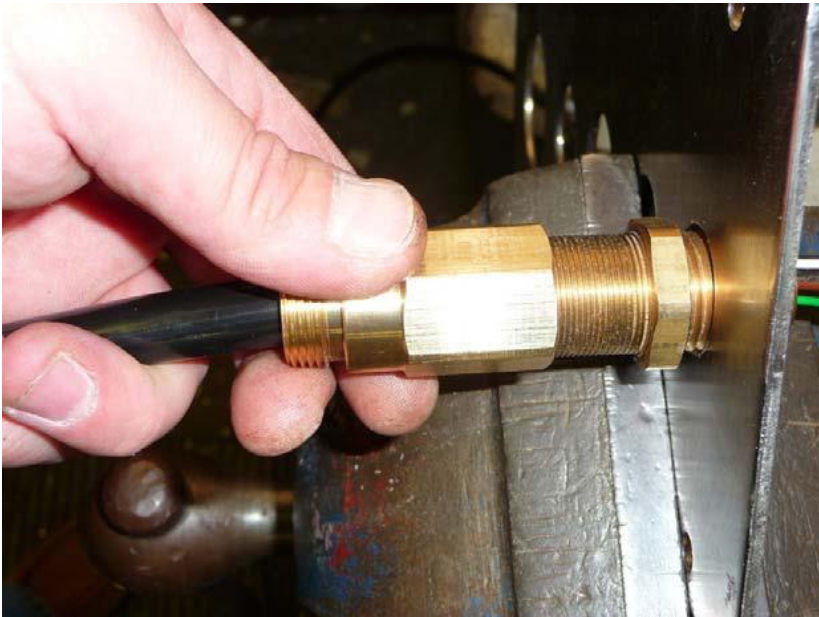
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5. Slide Cone onto inner sheath and under armour. Slide Clamp onto exposed armour.
6. Insert cable through Entry Body and engage Cone in Entry Body.



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7. To clamp armour/braid onto Cone, hand-tighten Mid Cap to Entry Body, then using wrench tighten a further 1 turn.



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8. Unscrew Mid Cap to visually check armour is securely clamped. Pull out cable and Cone.



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HEALTH AND SAFETY WARNING

The resin used in the compound can cause eye and skin irritation. For your personal protection, wear plastic or latex gloves while mixing and applying. The uncured compound should not be allowed to come into contact with foodstuff and disposed of safely in accordance with local regulations.

A COMPREHENSIVE SAFETY DATA SHEET IS AVAILABLE ON REQUEST

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9. Check compound has not passed its "Use By" date. Installation at temperatures below 10°C should be avoided. Trim any hardened pieces from ends of stick.

10. Mix the compound by rolling, folding and breaking. Ease mixing by cutting large sticks in half. Fully mixed compound has a uniform yellow colour with no streaks.

Note.

The next slide shows how adequately mixed compound should appear prior to forming it around the individual cores of the cable

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Adequately Mixed Compound

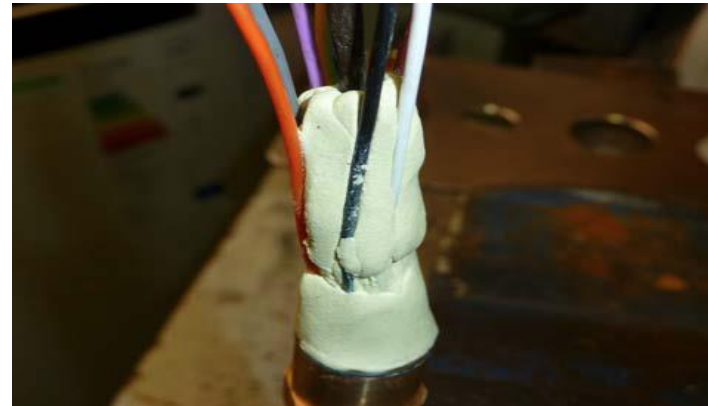


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11. Support the cable and rear gland assembly. With unarmoured cable, hold Cone and cable roughly concentric. Splay out the cores. Starting at the middle, pack small amounts of rolled-out compound between the cores. Re-straighten each core and work outwards until all gaps are filled. Bundle the cores with cord or tape so they are not disturbed. Pack around the outside of the outer cores to fill the Cone cup. Build up compound around the outside of the cores with a slight taper and to approximate compound length shown on the diagram and Table 1 column 11 as detailed in the installation instructions

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Sealing the cores: -



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12. Pass cores through and push compound into Entry Body until Cone engages. Remove squeezed out compound



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12. Continued. Removing squeezed out compound.



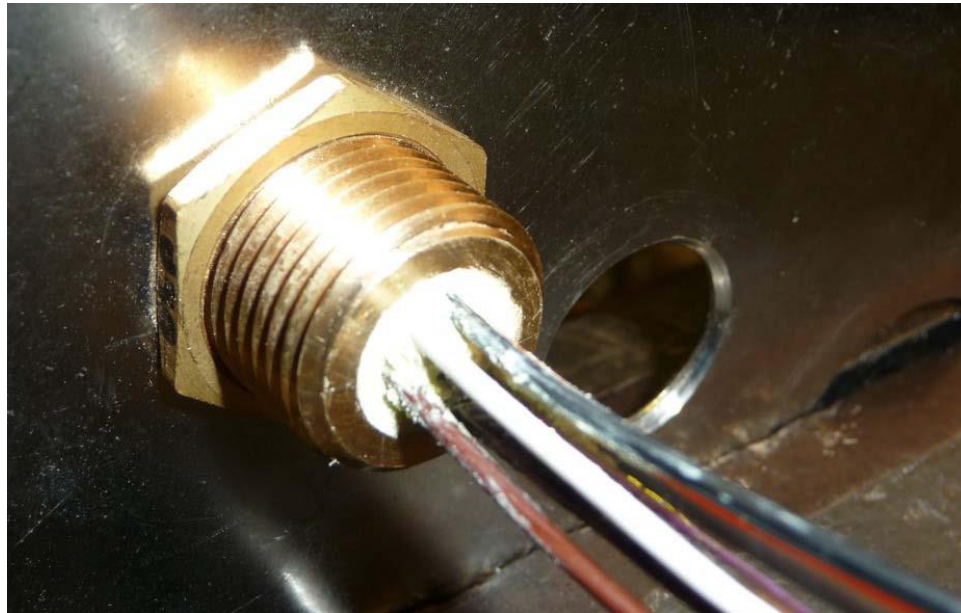
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For thickest armour: Screw Mid Cap 7 full turns onto Entry Body (arrow C on instructions). **For tape armours/braids:** screw no further than groove (sizes 16 & 20S: screw no further than 6mm [1/4 inch] from Entry Body hexagon) (arrow D on instructions). Ensure that compound emerges at entry thread (arrow E on instructions).



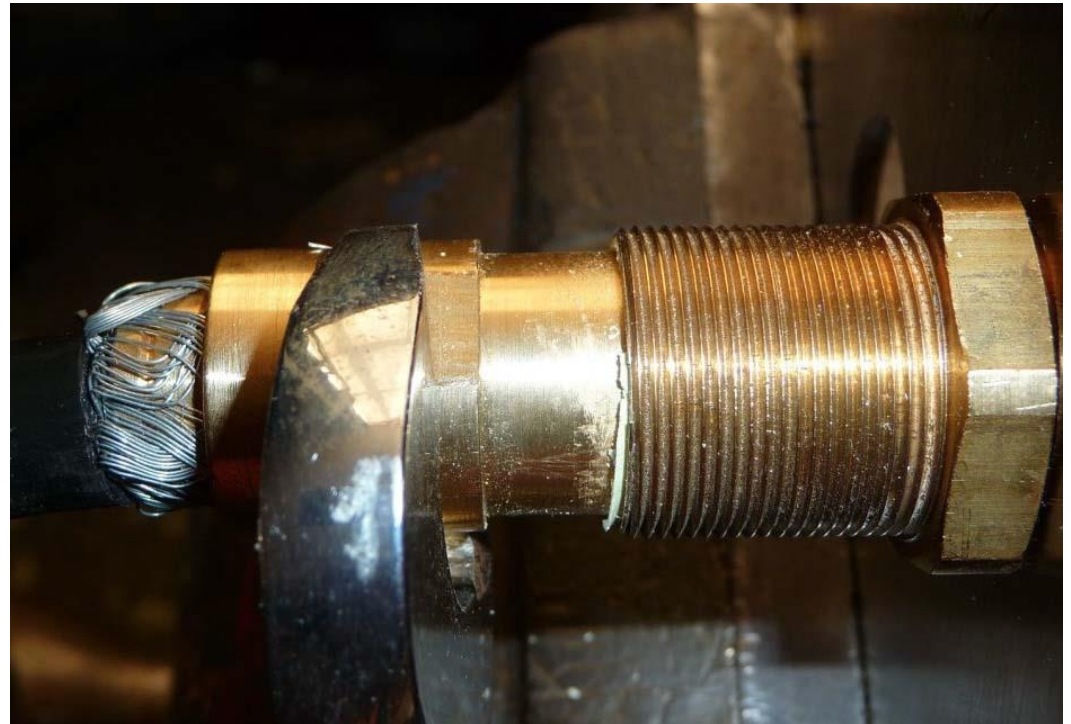
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13. Clean off excess compound from Entry Body to allow withdrawal when compound has cured (arrow E on instructions). Cores may be disturbed after 1 hour. Leave to cure for 4 hours when working at 21°C.



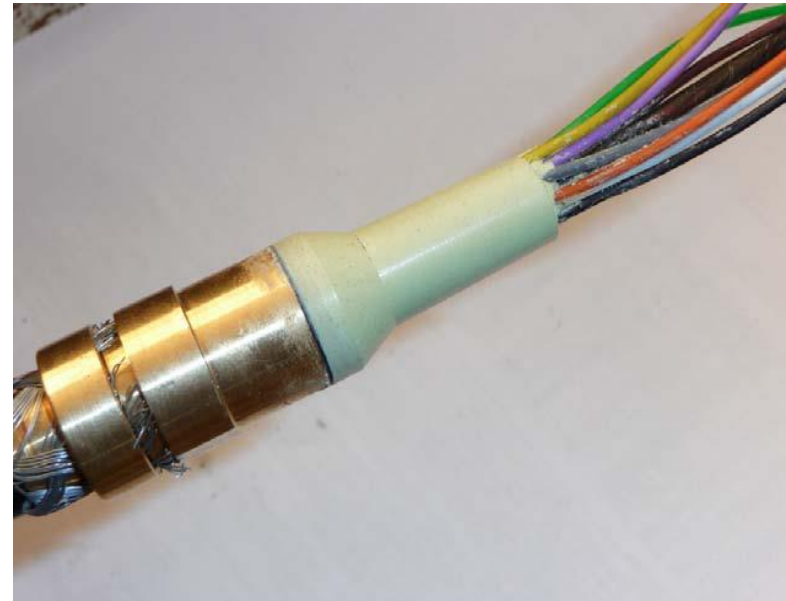
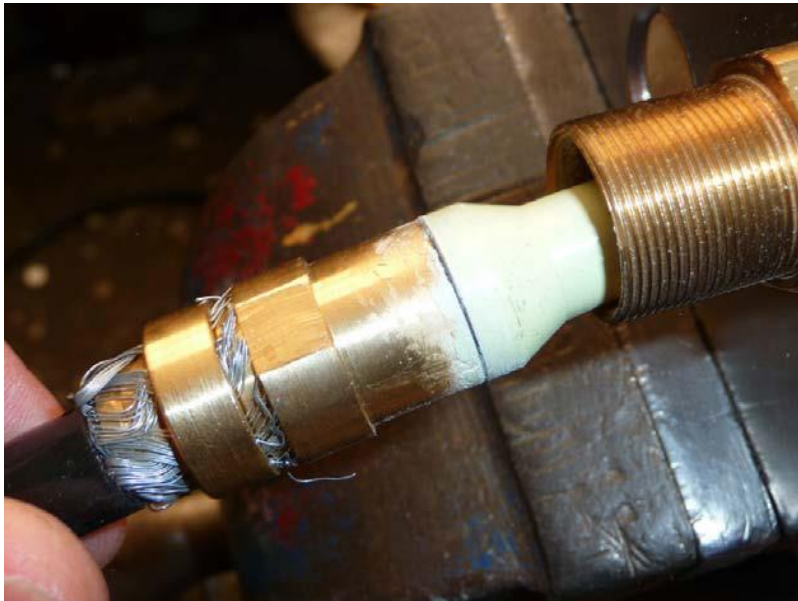
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14. To release the joint for inspection, unscrew Mid Cap. Using wrench on Cone, release joint & pull out.



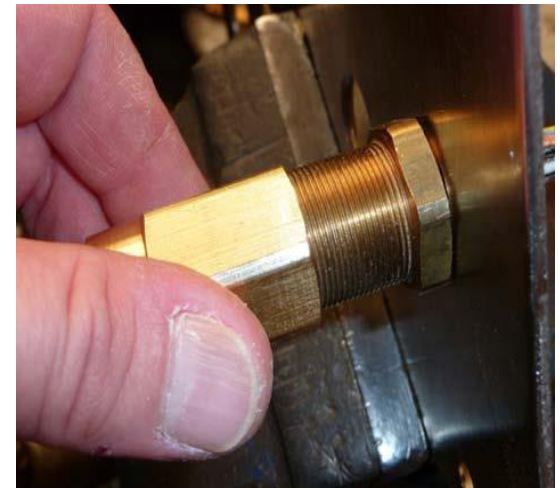
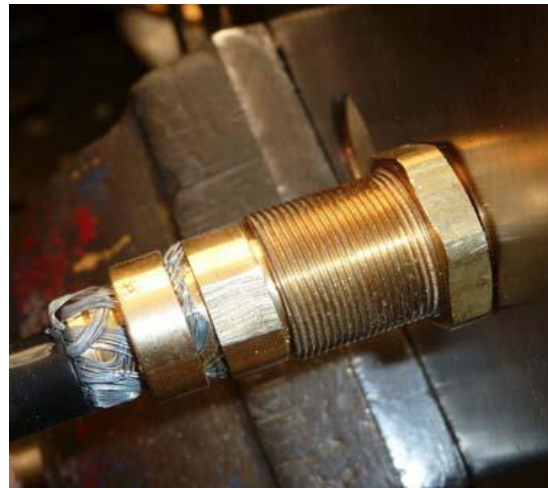
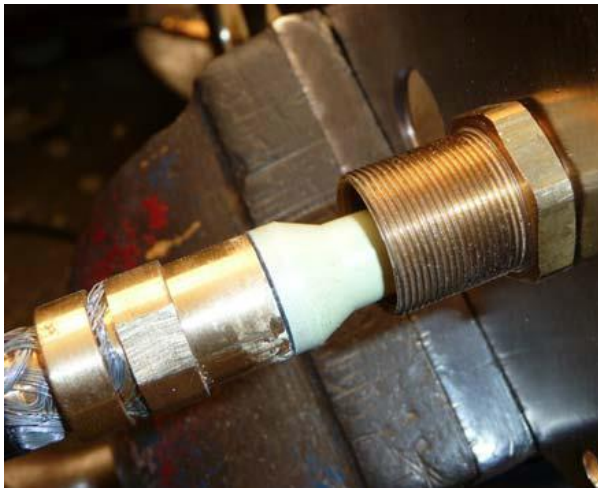
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- Correct compound form should be as shown.
- Ensure there are no voids in the form



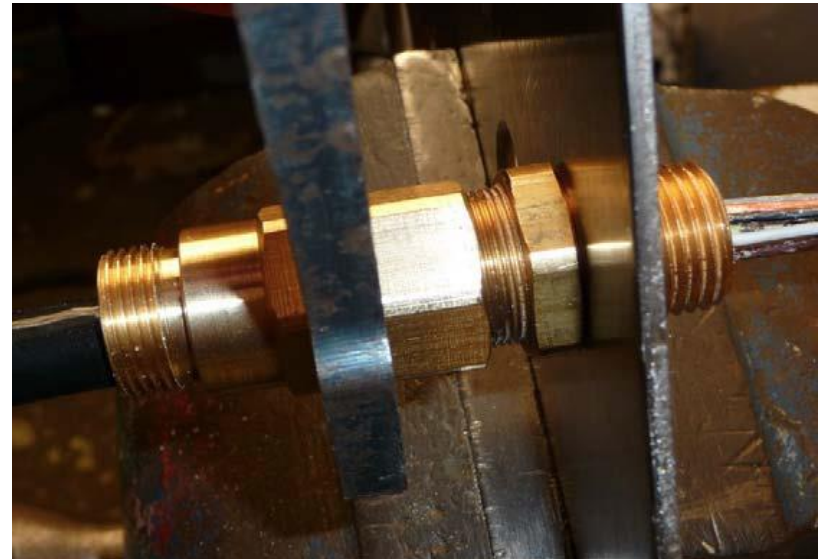
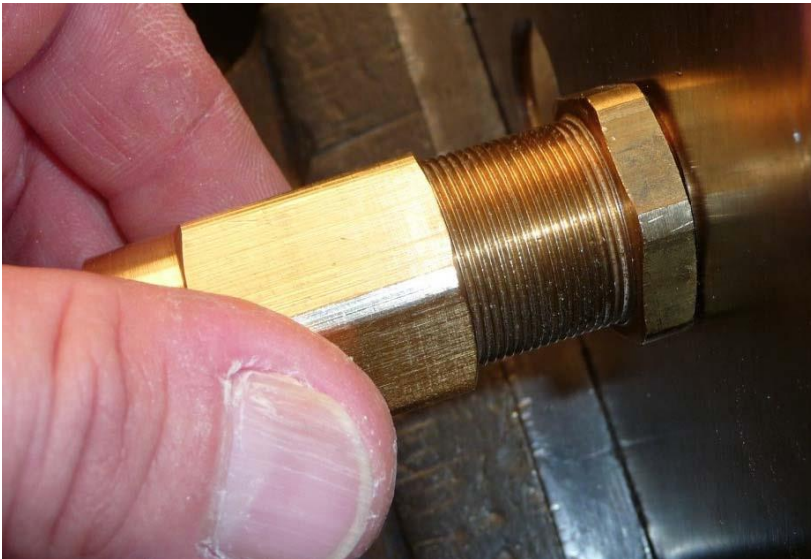
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Re-insert compound assembly into Entry body as shown:-



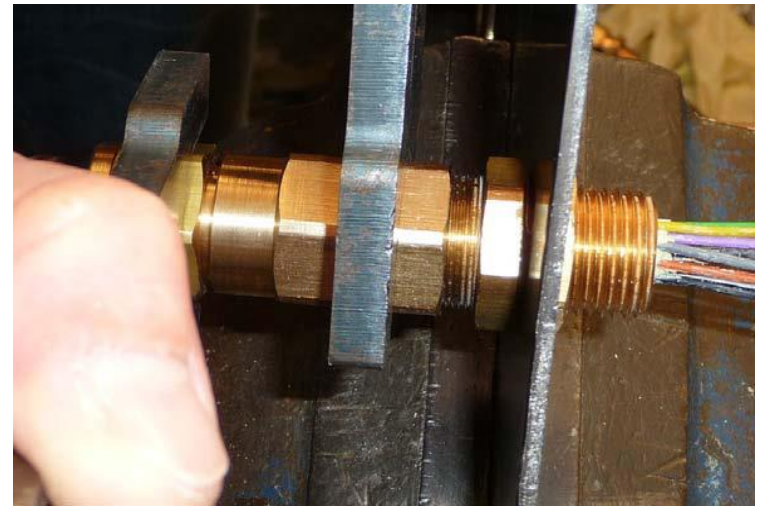
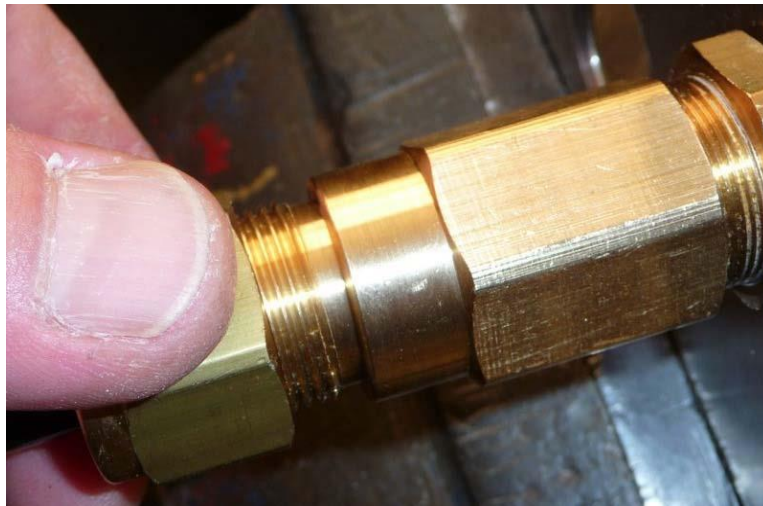
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15. Hand-tighten Mid Cap to remake joint. Then refer to table in instructions and tighten using wrench to the given amount.



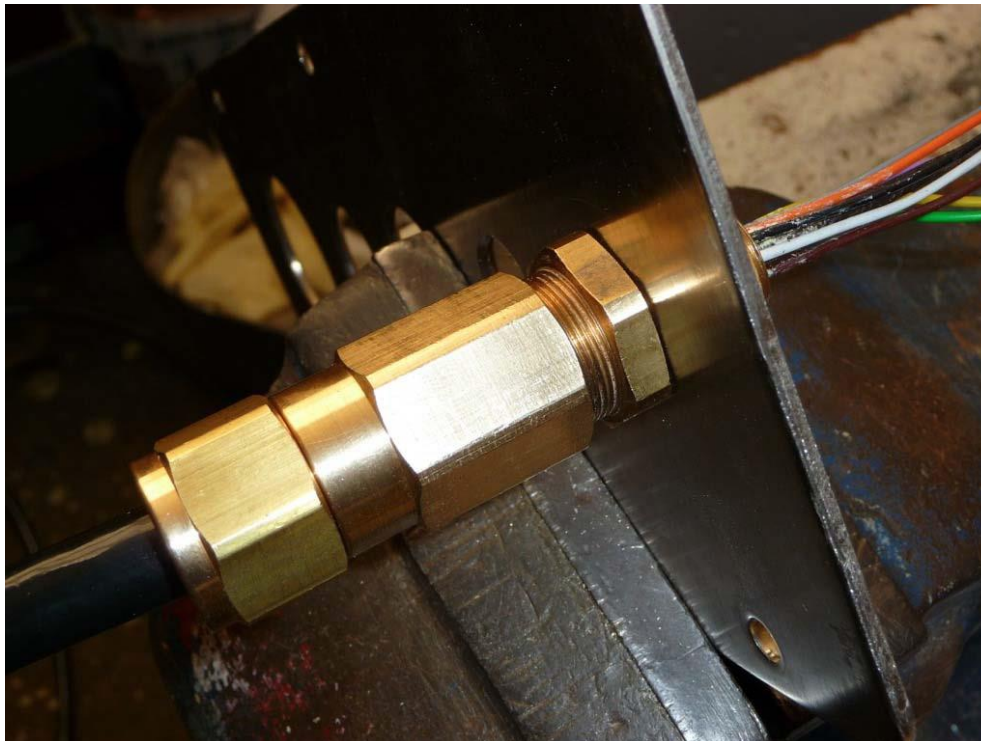
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16. Hold Mid Cap with wrench and tighten Back Nut onto cable. Ensure seal makes full contact with cable sheath, and then tighten Back Nut 1 extra turn.



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Completed Assembly

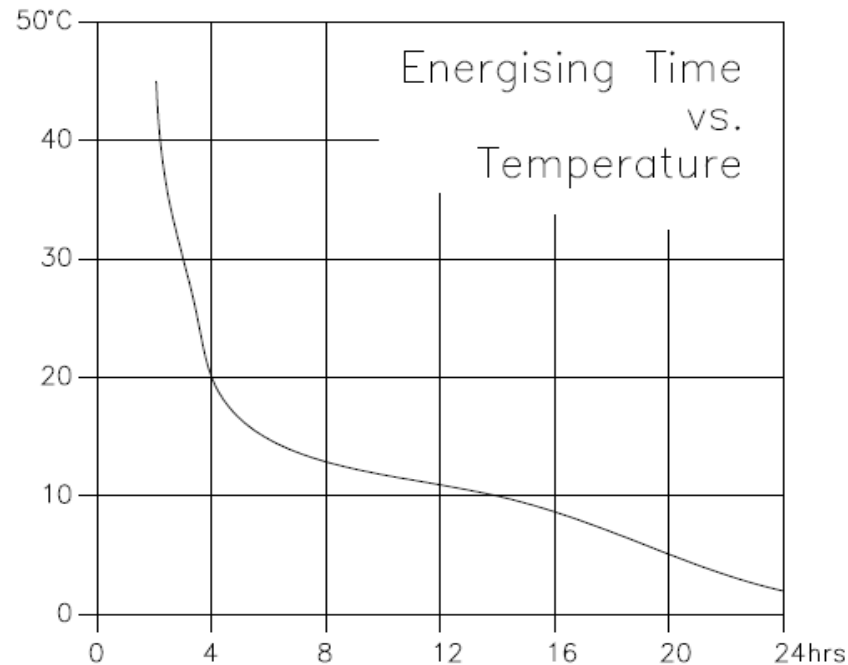


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17. The equipment should not be energised until the compound has been left to cure for at least 4 hours when working at 21° C. See the chart 'Energising Time vs. Temperature' for further guidance.



If additional information or assistance is required please contact Peppers for further details: -

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