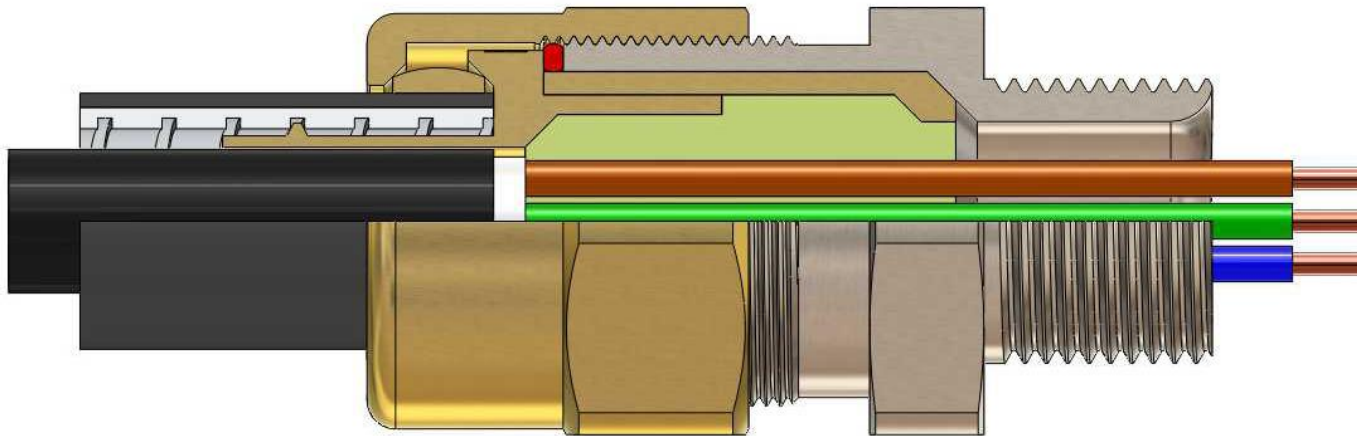


Installation Guide for Peppers LT-C* Range of Compound Barrier Cable Glands



LT-C* Type Installation Guide

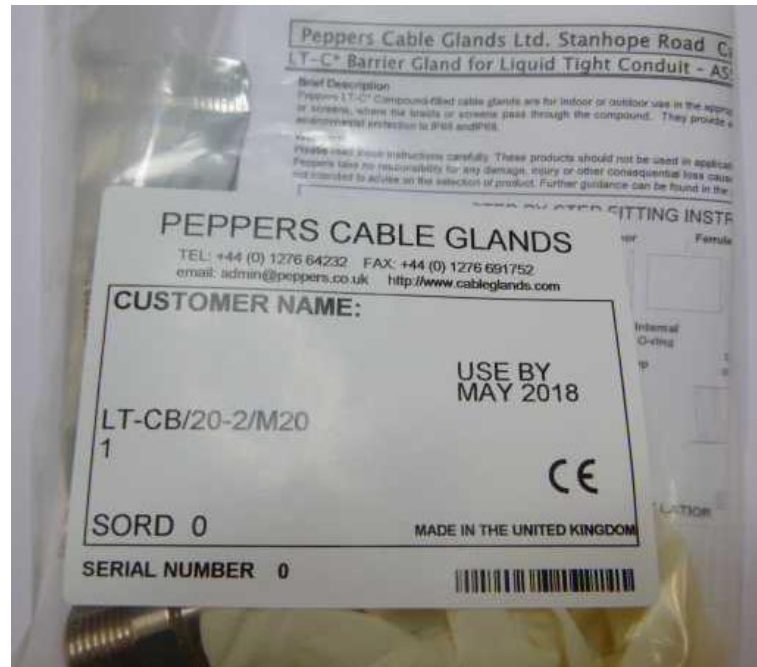
- This presentation is a visual guide to aid with the installation of Peppers LT-C* range of cable glands. It should only be used in conjunction with the supplied installation instructions. The LT-C range of cable glands are intended for use in threaded entries complying with the requirements of IEC 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

Installation Guide

CT0039 V1.0

LT-C* Type Installation Guide

The LT-C* Type Cable Gland Kit including gland, barrier compound, assembly instructions and installation gloves. Example shown below:



LT-C* Type Installation Guide

The LT-C* Type Cable Gland



LT-C* Type Installation Guide

1. Cut conduit square and prepare cable as indicated.



LT-C* Type Installation Guide

2. Split gland as shown.



LT-C* Type Installation Guide

3. Fit Entry Body.
Hand-tighten. Then, suitably secure with a wrench.



LT-C* Type Installation Guide

4. Slide the Rear Assembly onto Conduit.
5. Pass cable cores through the Conduit Anchor component and then screw into the conduit.



LT-C* Type Installation Guide

5. Pass the individual cores through Ferrule and Entry Body. Engage the Outer Cap onto the Entry Body until hand-tight. The Olive should be secured in place between the Conduit Anchor and the Ferrule components.



LT-C* Type Installation Guide

5. Cont. Refer to Table 1 below and tighten Outer Cap on to the Entry Body using a wrench to the specified torque ensuring that at least the stated number of turns has been achieved. Disassemble Outer Cap to inspect Olive Seal. There should be no gap (indicated at arrow A) between the components. Once clamped remove ferrule.



LT-C* Type Installation Guide

5. Cont. Disassemble Outer Cap to inspect Olive Seal. There should be no gap (indicated at arrow A in the instructions) between the components. Once clamped remove ferrule.



LT-C* Type Installation Guide

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

LT-C* Type Installation Guide

6. Check compound has not passed its "Use By" date. It has a work life of about 45 minutes at 16-27°C (60-80°F), during which time it can be worked and shaped before it begins to cure. Full cure takes 24 hours at 16-27°C (60-80°F). Lower temperatures will give a longer cure time. E.g. at 3°C (37°F) full cure takes about seven days. It is recommended to mix the putty and pack the fitting at 20°C (68°F). Minimum mixing/packing temperature is 10°C. Minimum curing temperature is 3°C.
7. Trim any hardened pieces from ends of stick. 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.

LT-C* Type Installation Guide

Adequately mixed compound.



LT-C* Type Installation Guide

8. Support the conduit and cable assembly. Ensure that the Conduit Anchor is positioned so that the cable outer sheath is positioned at the bottom of the Rear Assembly Cup as indicated at Z – Z in the instructions. Splay out the cores

9. Starting at the middle, fill the Rear Assembly Cup by packing small amounts of rolled-out compound around and between the cores. Re-straighten each core and work outwards until all gaps are filled. Pack around the outside of the outer cores. Push compound down to make sure the Rear Assembly Cup is completely filled.

See next slide for photographs.

LT-C* Type Installation Guide



LT-C* Type Installation Guide

10. Similarly build up compound in and around the protruding cores. Apply the compound in rolled-out strips wherever possible so that unbroken layers are formed. Where joins occur in the fill or where there are suspected holes, work the compound together to ensure a gas-tight seal. The cylinder of compound should project approx. 25mm (1") (or 35mm (1 3/8") for sizes 63 & 75) - see instructions.



LT-C* Type Installation Guide

11. Retrieve the Ferrule and pass it over the cores. Locate and press Ferrule onto the Rear Assembly Cup. Remove squeezed-out compound (arrow B) and ensure the Ferrule completely covers the Rear Assembly Cup.



LT-C* Type Installation Guide

8. Cont. Pass cores through the O-ring and Entry Body. Fit O-ring over Ferrule – when the assembly is complete the O-ring should be seated on top of the Ferrule and adjacent to the Conduit Anchor. Engage Ferrule in Entry Body and screw on the Outer Cap.



LT-C* Type Installation Guide

11. Cont. Tighten the Outer Cap with wrench to close up the assembly.



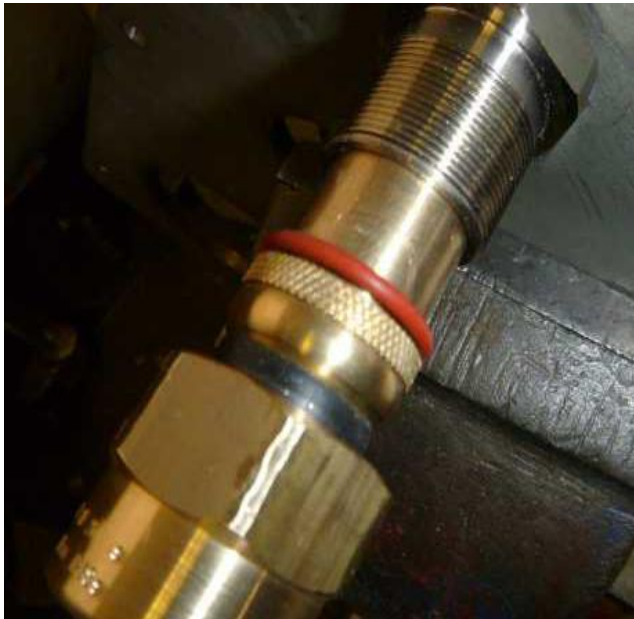
LT-C* Type Installation Guide

12. Slacken off Outer Cap to inspect the Cable Unit assembly. Where the cores exit the Ferrule any protruding compound must be trimmed and cleared away to ensure the compound does not foul the Entry Body. See Figure 2 for clear Ferrule. Bundle cores with cable-tie, cord or tape so they are not disturbed – see Figure 3. Leave to cure for 4 hours when working at 21°C (70°F). Cores may be disturbed after 1 hour.



LT-C* Type Installation Guide

13. Re-assemble Cable Unit to the Entry Body ensuring the o-ring is seated correctly at the base of the ferrule – see Figure 4. Tighten Outer Cap using a wrench until it comes to an effective stop.



LT-C* Type Installation Guide

14. 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 chart 'Energising Time vs. Temperature' within the Installation Instructions for further guidance.

LT-C* Type Installation Guide

Completed Assembly



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

Peppers Cable Glands Limited

Stanhope Road - Camberley

Surrey. GU15 3BT

United Kingdom

Tel: +44 (0) 1276 64232 Fax: +44 (0) 1276 691752

Email: admin@peppers.co.uk

Website: www.cableglands.com