**General information**

See specific information about dimensions, type of insulation etc. according to your required fire certification.

Wire mesh must be of stainless steel type, if used.

**Installation instructions**

**Fire insulation**

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**Parts / tools**

- **Pliers**
- **Steel wire**
- **Wire mesh**
- **Extension frame**
- **Insulation sheet A1 class (100kg/m3)**
- **Loose wool insulation A1 class**
- **Hedge clippers**

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Before fire insulation installation

Complete installation of fire insulation.
Installation of fire insulation

Check the certificate for required insulating thickness for each cable/pipe.

1. Cut a sheet of insulation to the correct size according to insulation drawing/certification drawing.

2. Wrap the sheet of insulation around the cable/pipe. Thickness of insulation according to insulation drawing.

3. Secure the insulation to the cable/pipe using steel wire.

4. Cut the excess wire.

5. Fold the steel wire ends.

6. Repeat step 4-6 a couple of times to ensure that the insulation stays in place.

7. Wrap steel wire round the roll of insulation to compress it.

8. Slide the roll of insulation along the cable/pipe into the opening.

9. Add insulation rolls according to step 1-11 to the other cables/pipes which requires more insulation than the wall depth packed with loose wool can provide.

10. Start to fill up with loose wool between the cables/pipes. Pack insulation to high density. If the depth of the cavity is not sufficient, use an extension frame as described on next page.

11. Continue to add insulation until the opening is full.
Insulation of bundled cables/pipes

1. When cables/pipes are close together, place loose wool between to keep them separated.
2. Gaps in the wire mesh can be tied together with stainless steel wire.
3. Add a stainless steel wire mesh or similar to keep the insulation in place.
4. Use suitable fasteners to secure the mesh.

For tightly packed transits, use stainless steel wire and screws to retain the loose wool in the cavity.

Installation of optional wire mesh

Wrap insulation around all cables and loose insulation. Wrap steel wire around the insulation and slide it into place.
**Installation of fire insulation with extension frame**

1. Use an extension frame if there is not enough depth in the cavity for the insulation.

2. Fasten the extension frame to the structure with suitable fasteners.

3. Add insulation wool to the correct size into the extension frame according to insulation drawing/certification drawing. Ensure that the loose wool is retained in the extension frame.

4. For tightly packed transits, there is no need for insulation rolls if an extension frame provides the insulation length stated in the insulation drawing/certification drawing. Use loose wool packed to high density. Use steel wire and screws to retain the loose wool in the cavity as seen in step 5 on previous page.

5. Example of one cable/pipe requiring more insulation than the others.

**Note**

- See specific information about dimensions, type of insulation etc. according to your required fire certification.

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**DISCLAIMER**

The Roxtec cable entry sealing system (“the Roxtec system”) is a modular-based system of sealing products consisting of different components. Each and every one of the components is necessary for the best performance of the Roxtec system. The Roxtec system has been certified to resist a number of different hazards. Any such certification, and the ability of the Roxtec system to resist such hazards, is dependent on all components that are installed as a part of the Roxtec system. Thus, the certification is not valid and does not apply unless all components installed as part of the Roxtec system are manufactured by or under license from Roxtec (“authorized manufacturer”). Roxtec gives no performance guarantee with respect to the Roxtec system, unless (I) all components installed as part of the Roxtec system are manufactured by an authorized manufacturer and (II) the purchaser is in compliance with (a), and (b), below.

(a) During storage, the Roxtec system or part thereof, shall be kept indoors in its original packaging at room temperature.

(b) Installation shall be carried out in accordance with Roxtec installation instructions in effect from time to time.

The product information provided by Roxtec does not release the purchaser of the Roxtec system, or part thereof, from the obligation to independently determine the suitability of the products for the intended process, installation and/or use. Roxtec gives no guarantee for the Roxtec system or any part thereof and assumes no liability for any loss or damage whatsoever, whether direct, indirect, consequential, loss of profit or otherwise, occurred or caused by the Roxtec systems or installations containing components not manufactured by an authorized manufacturer and/or occurred or caused by the use of the Roxtec system in a manner or for an application other than for which the Roxtec system was designed or intended.

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