

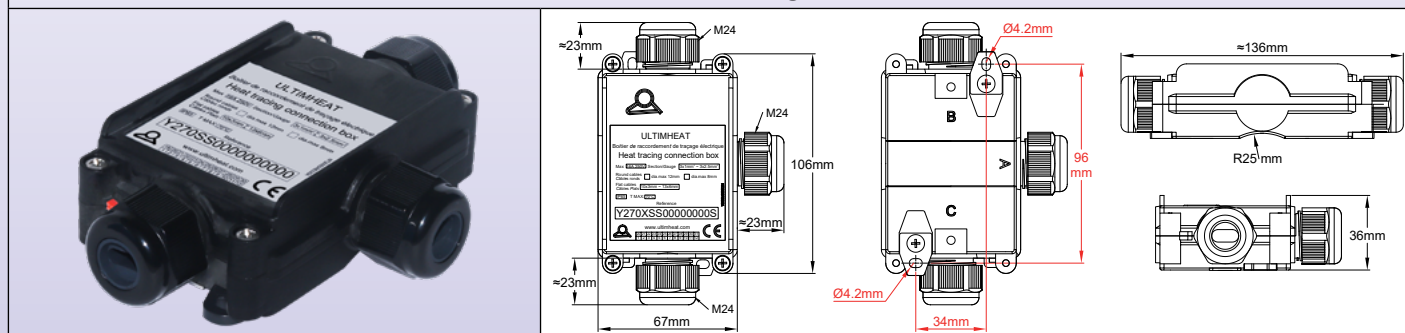
3 ways "Tee" connection box for heat tracing cables, without thermostat, for traditional or self-regulating cables



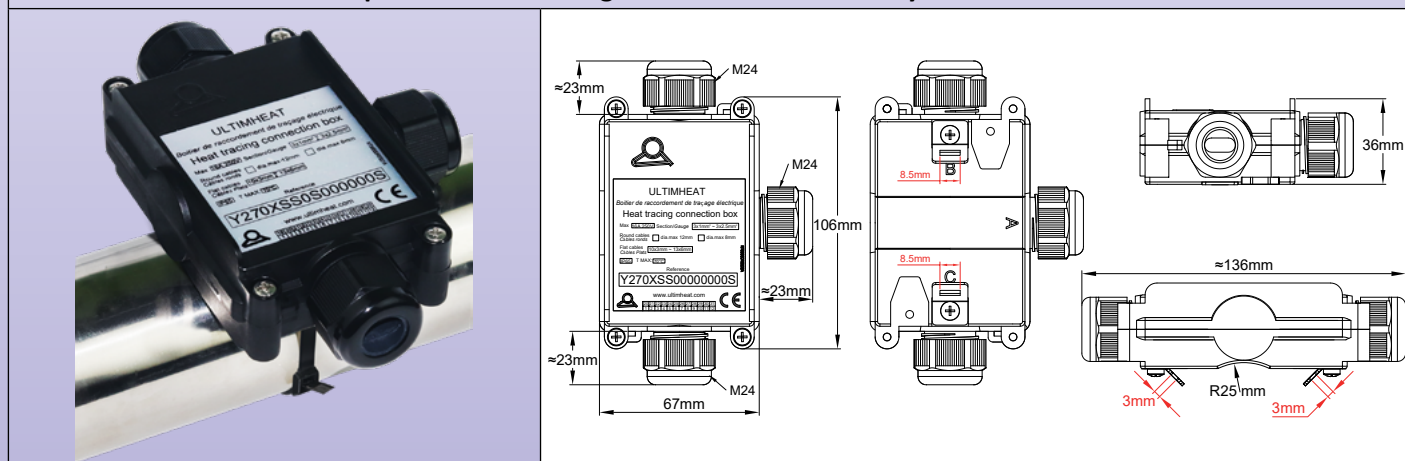
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3 parallel ways	Screw and square washer terminals	Wire gauge	Cables diameters		Type
		1~2.5mm ²			Y27

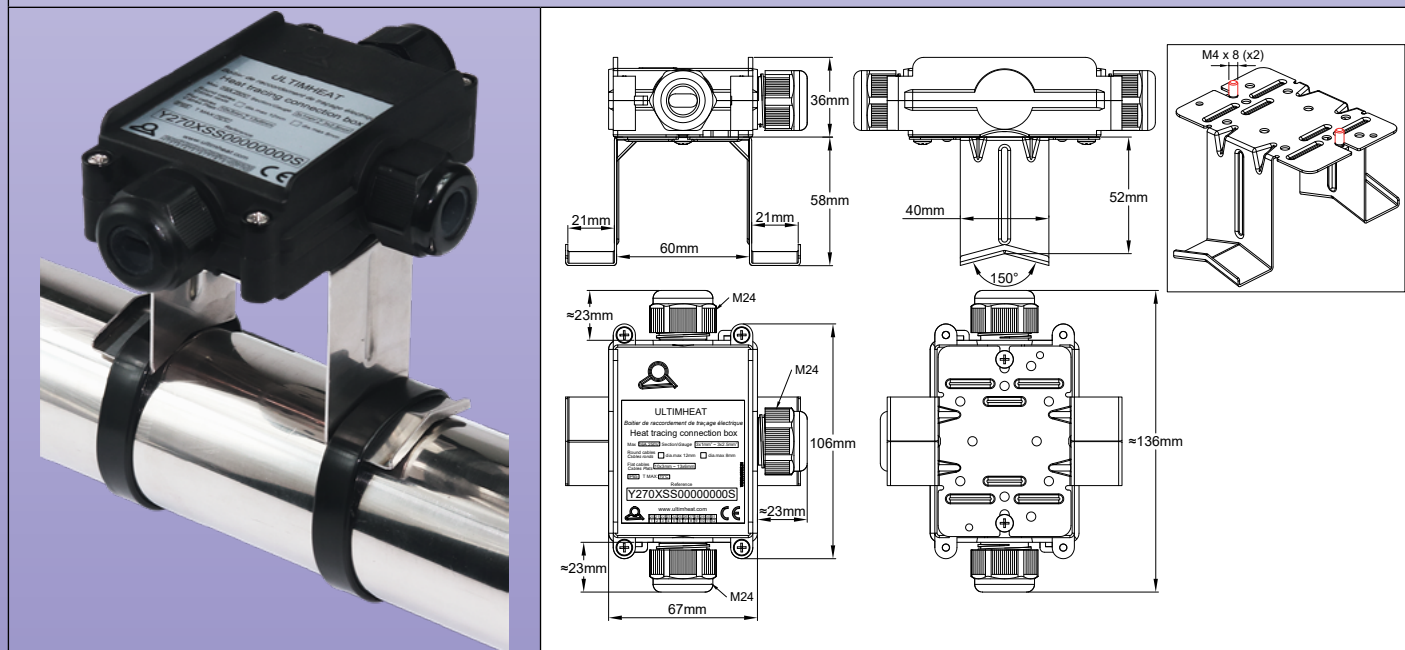
Wall mounting



Pipe surface mounting with 2 metal tabs and nylon cable ties



50mm offset mounting for pipes with thermal insulation (optional YTQT accessory)



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Applications

This box is used to connect **one power cable to two heating cables**, or to ensure the continuity of a power cable between several boxes, and connecting a single heating cable on each box.

It can be mounted on a flat surface, or on a pipe.

The terminal blocks are easily accessible and the **connection is simple, including for self-regulating flat cables with metallic protective braid.**

Main features

Material: Polyamide 6 black, 96mm × 67mm × 36mm (Cable glands not included). Excellent UV resistance.

Waterproof grade: IP65.

Mounting: 2 removable wall mounting bracket, holes distance 96mm. Pipe mounting with cable tie also possible with 2 small metal tabs screwed on backside.

Note: if you want to rotate the case 90° relative to the pipe, use the Y28 model with three outputs.

Terminals:

- Screw terminals with captive toothed square washers accepting stranded or rigid conductors
- The mechanical tightening of the cable is ensured by a screwed metal saddle, usable on round or flat cable.

This patented saddle also ensures the earthing of the metal braid of the heating cables.

- Wire gauge: 3 × 1mm² to 3 × 2.5mm²

- Maximum permissible intensity: 16A 250V.

Cables outlet: with M24 cable glands, with 70 shore NBR gaskets (Silicone is available on request).

- Maximum diameter of round cables: 8; 12mm depending on the gaskets installed.

- Limit sizes of oblong cables:

- From 8 × 5 to 9.5 × 6mm

- From 9.5 × 2.5 to 11 × 3.5mm

- From 11 × 4 to 13 × 6mm

- From 12.5 × 8 to 14.2 × 9.2mm

For more information about tightening possibilities on round and oblong cables, see the catalogue page on 6YTP cable glands.

Inviolability: The case can receive one or two seals (delivered with 5 red seals)

Sealing: supplied with 5 red plastic ties for use in the sealing holes

Easy assembly: Assembly is made with full access to terminals when cover is removed. Mounting on wall or pipe can be made with cover removed or cover assembled.

Accessory: Bracket in stainless steel for offset mounting on pipe with up to 50mm insulation thickness. Can be screwed on the two M4 threads on backside. See the 6YTQT in the accessories section.

Options:

- Model for 3 heating wires without power supply cable
- Model for one heating cable and 2 power supply cables.

Consult us for parts numbers of simplified models with only one dimension of cable gland gasket for round wire and flat wires, customized label, and specific set of accessories for pipe mounting (OEM versions).

Main part numbers

(These models include 2 small metal tabs for pipe surface mounting*).

Part numbers	Seals on side A**	Seals on side B**	Seals on side C**
Y270PFF0000000SO	Silicone seal for round cable dia. 12.2mm max.	Silicone seal for oblong cable max. size 13x6mm.	Silicone seal for oblong cable max. size 13x6mm.
Y270KNN0000000SO	NBR seal for round cable dia. 12.2mm max.	NBR seal for oblong cable max. size 13x6mm.	NBR seal for oblong cable max. size 13x6mm
Y270PSS0000000SO	Silicone seal for round cable dia. 12.2mm max.	Set of Silicone seal for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.	Set of Silicone seal for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.
Y270KXX0000000SO	NBR seal for round cable dia. 12.2mm max.	Set of NBR seals for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.	Set of NBR seals for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.

* Models without the 2 small tabs, replace 0SO by 000 in the part number.

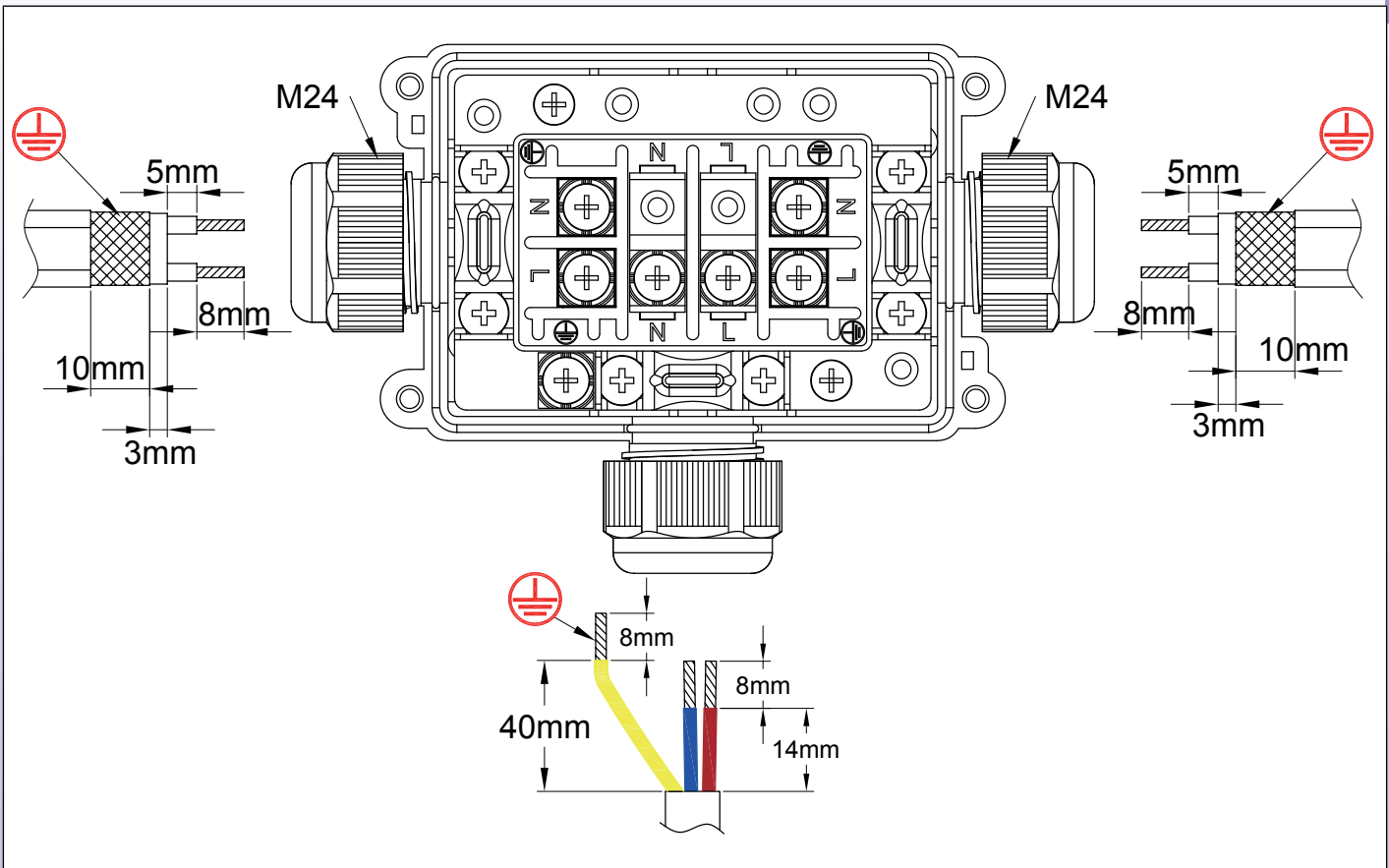
** Silicone seals recommended for ambient temperature higher than 80°C.

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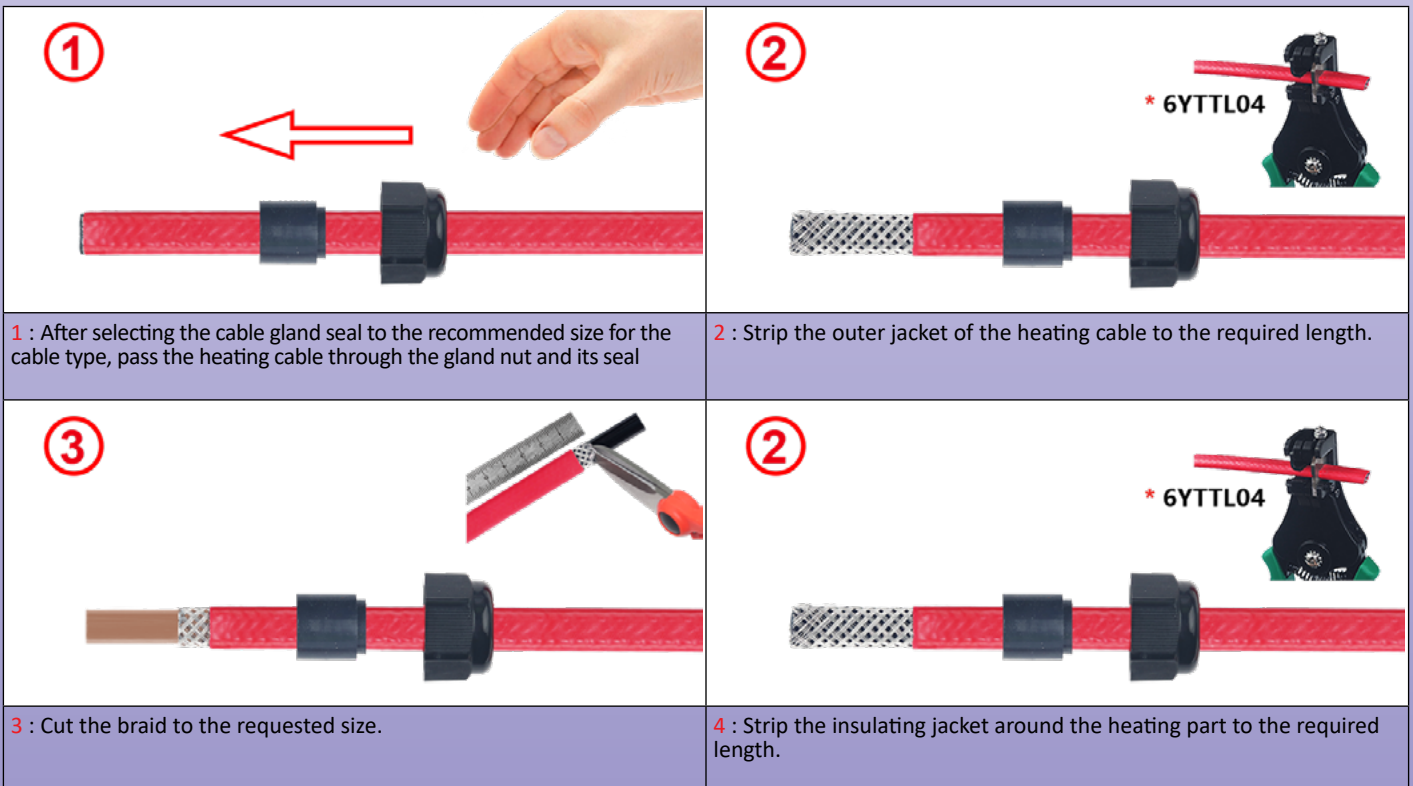


Stripping dimensions of round and oblong cables



Self-regulating cables assembly steps

(More details on the different methods of preparing termination for various types of cables are available in the technical introduction).


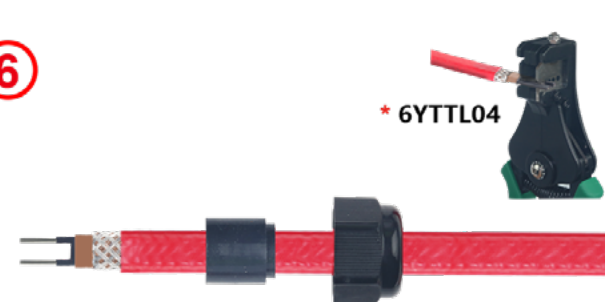
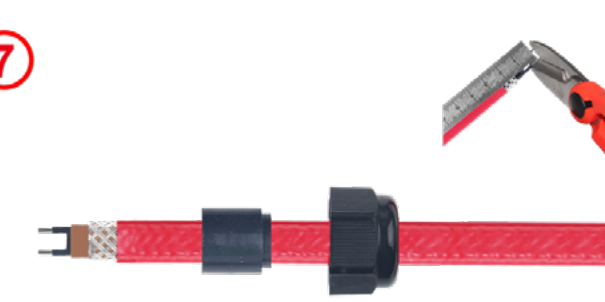
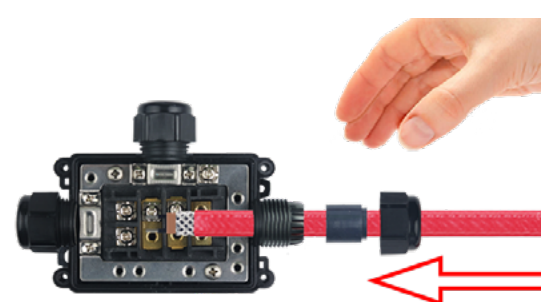

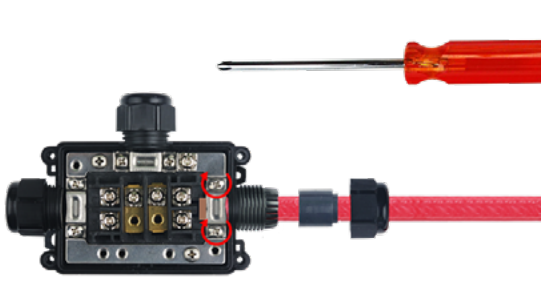
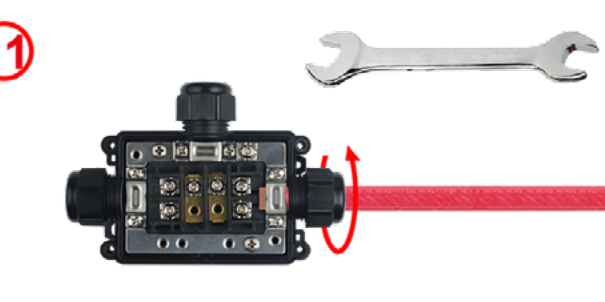


* These exclusive tools are available in accessories section

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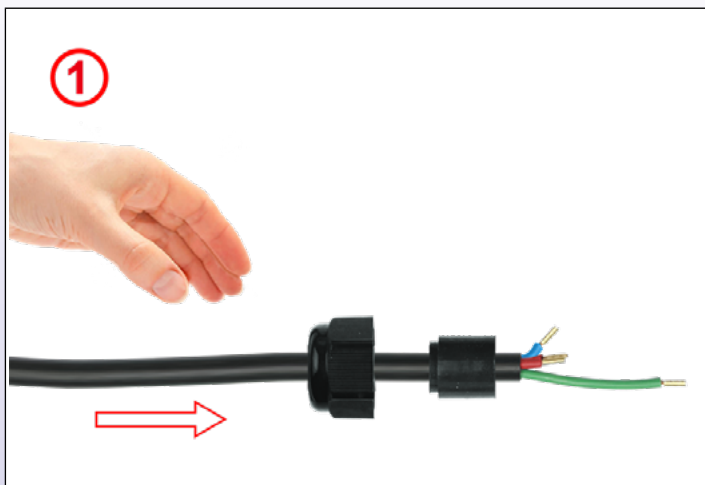



<p>5</p>  <p>* 6YTTL05</p>	<p>6</p>  <p>* 6YTTL04</p>
<p>5 : Cut the heating part between the two bus wires to the required length</p>	<p>6 : Strip the two bus wires over the required length</p>
<p>7</p>  <p>* 6YTTL05</p>	<p>8</p> 
<p>7 : If necessary, cut the stripped bus wires to length</p>	<p>8 : Unscrew and remove the saddle, unscrew and remove the terminal screws if necessary, then pass the cable through the cable gland.</p>
<p>9</p>  <p>* 6YTTL05</p>	<p>10</p>  <p>* 6YTTL05</p>
<p>9 : Put the bus wire and the braid at the place they will be tightened. Tighten the terminal block screws on the bus wires. Recommended torque 1.2 Nm.</p>	<p>10 : Replace the saddle and tighten it on the metal braid. Recommended torque 1.2 Nm.</p>
<p>11</p>  <p>* 6YTTL05</p>	
<p>11 : Slide the flat cable gasket into the cable gland and tighten the nut. Maximum torque 3Nm. Connect any other cables and close the lid.</p>	

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Round cable assembly steps

	
<p>1 : Remove outer insulation on round cable as requested by drawing. Eventually, crimp cable shoes. Slide the cable gland nut on the cable. Select the compatible diameter gasket and slide it on the cable.</p>	<p>2 : Put the neutral, line and ground wires inside the screw terminals and tighten them. Recommended torque 1.2 Nm.</p>
	
<p>3 : Tighten the saddle screw. Recommended torque 1.6 Nm.</p>	<p>4 : Slide the round cable seal into the cable gland and tighten the nut. Maximum torque 3N.m.</p>