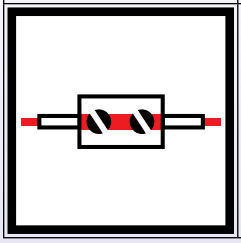
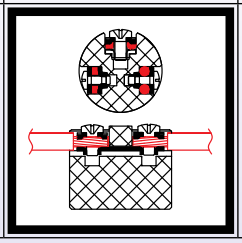
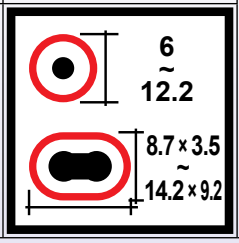
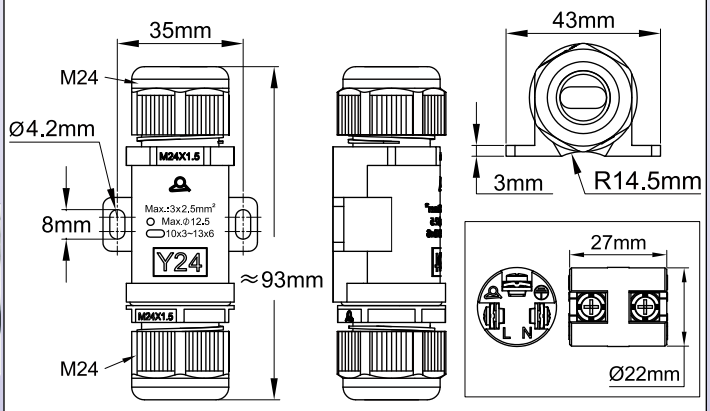
2 ways in line connection box for heat tracing cables, for traditional or self-regulating cables

2 ways in line	Screw and square washer terminals	Wire gauge	Cables diameters		Type
		1~2.5mm²		RoHS REACH	Y24



Applications

This box allows to connect end-to-end, on field, with a good ingress protection (IP66), a round or flat heating cable to a round power cable. However, it also makes it possible to connect together two round cables or two flat cables. The internal connection terminal block is in ceramic.

Main features

Material: Polyamide 66 black, total length 93mm. Good UV resistance.
Waterproof grade: IP66
Mounting:
- Wall mounting: By 2 side lugs for 4mm diameter screws, 35mm distance.
- On pipe: By a nylon cable tie. The lower part is concave to facilitate this assembly and the oblong holes of the lugs allow the passage and holding of a cable tie.

Terminal block:
- High temperature ceramic with screw terminals with captive toothed square washers accepting bare conductors
- 3 conductors, from 1 to 2.5mm²
- Maximum permissible intensity: 16A 250V

Cable clamping: with M24 cable glands, with 70 shore NBR gaskets
- Size limits of round cables: 6 to 12,2mm
- Size limits of flat cables: from 8.7 × 3.5 to 14.2 × 9.2mm

For more information, see the catalogue page on 6YTP cable glands.
Easy assembly: It is possible to slide the ceramic terminal block out of the body to connect the cables outside of it.

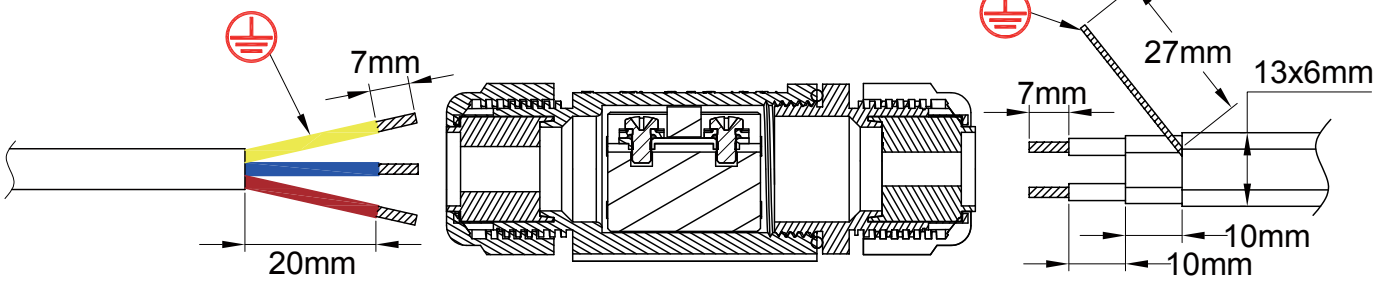
Main part numbers

Part number	Seals on side A*	Seals on side B*
Y240RF	Silicone seal for round cable dia. 12mm max.	Silicone seal for oblong cable max. size 13x6mm
Y240MW	NBR seal for round cable dia. 12mm max.	NBR seal for oblong cable max. size 13x6mm.
Y240SS	Set of silicone seals for round cables dia. max. 8, 12 and 14mm.	Set of Silicone seal for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.
Y240XX	Set of NBR seals for round cables dia. max. 8, 12 and 14mm.	Set of NBR seal for oblong cables max. size 9.5x6; 11x3.5; 13x6 and 14.2x9.2mm.

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

2 ways in line connection box for heat tracing cables, for traditional or self-regulating cables

Stripping dimensions of round and oblong cables



Cables assembly steps

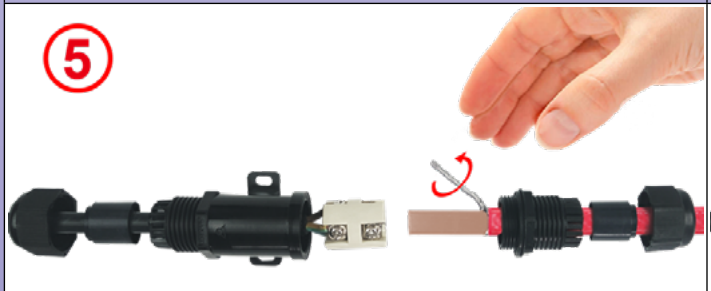
(More details on the different methods of preparing termination for various types of cables are available in the technical introduction).

1 : Pass the power supply cable through the cable gland nut, its seal and the terminal block body. Remove outside jacket and strip the conductors according to the required dimensions.

2 : Insert the stripped part of the conductors into the terminals and tighten with a screwdriver. Recommended tightening torque 1.2Nm

3 : After selecting the cable gland seal to the recommended size for the cable type, pass the heating cable through the gland nut, its seal and the body of the cable gland.

4 : Strip the outer jacket of the heating cable to the required length.

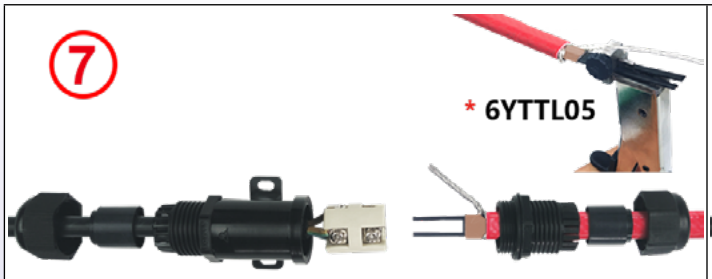


5 : Twist the metal braid to make it a round conductor.

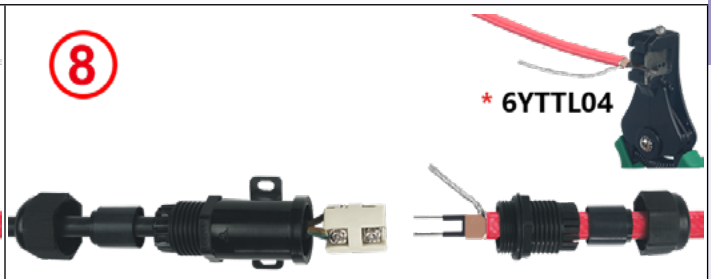
6 : Strip the insulating jacket around the heating part to the required length.

* These exclusive tools are available in accessories section

2 ways in line connection box for heat tracing cables, for traditional or self-regulating cables



7 : Cut the heating part between the two bus wires to the required length.

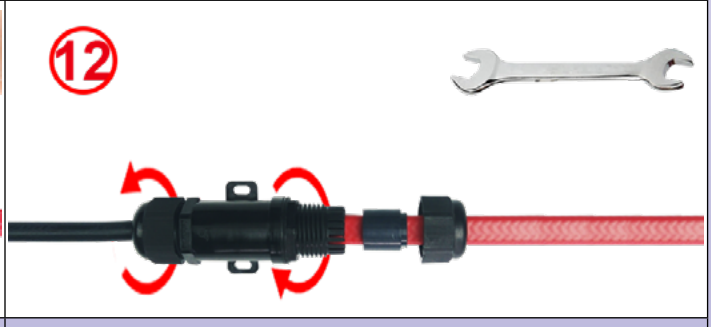


8 : Strip the two bus wires over the required length.

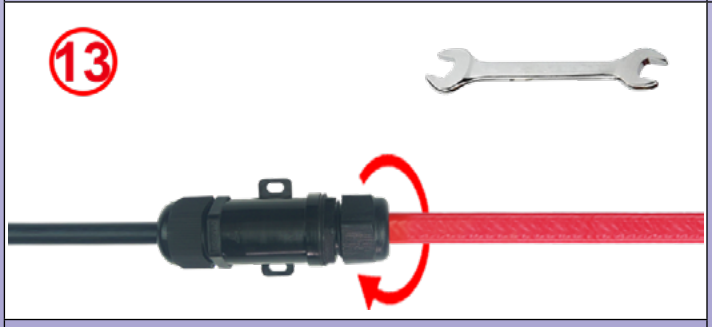
9 : If necessary, cut the stripped bus wires to length.

10 : Insert the bus wires into the terminals and tighten with a screwdriver. Recommended tightening torque 1.2Nm.

11 : Slide all of the cables and the ceramic terminal block into the body.



12 : Screw the cable gland into the body without turning the cables, then tighten the cable gland nut of the power cord. Maximum tightening torque 3N.m.



13 : Insert the cable gland seal in the latter and then tighten the cable gland nut. Maximum tightening torque 3N.m.

* These exclusive tools are available in accessories section