

Guillotine notching plier for cutting the heating zone between the conductors of oblong self-regulating cables



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Use	Notch width	Cables styles		Type
Workshop or field	1.5mm 2mm 3.3mm	Oblongs, self-regulating		
		6YTTL05A	6YTTL05B	6YTTL05C
<p>Types of cuts that can be made</p> <ol style="list-style-type: none"> 1: Short section of the heating zone for use in conventional connection boxes. 2: Long section of the heating zone for connection for use in the tube mounting feet. 3: Short section of the heating zone for connection in boxes with insulation piercing system to respect the 5mm distance between bus wires 4: Half-width section of the heating zone for connection in boxes with insulation piercing system to respect the 5mm distance between bus wires. 5: Half-width section with insulation for termination on free end of the cable without silicone gel filling or without RTV filling. 		<p>Common composition of a self-regulating cable</p> <ol style="list-style-type: none"> 1: Metal conductors, from 1 to 2mm². 2: Conductors still covered with semiconductor compound (the one whose stripping is the most difficult). 3: Heating semiconductor area. 4: Electrical insulation jacket of the heating zone. 5: Metal braid or ribbon + earth conductor. 6: Outer protection jacket. 		

Applications

We **specially developed this guillotine hand shear** to solve two specific problems with low and medium temperature self-regulating cables:

- The difficulty of cutting the carbon filled polyethylene heating zone between the 2 bus wires.
- The obligation to maintain a mandatory insulation distance between the bus wires of these heating cables when they are connected to a terminal block or to one cable end seal. This minimum insulation distance depends on the use of the cable: in an industrial environment in a **non-explosive atmosphere**, this distance can range from 2 to 3.6mm depending on the materials. In an industrial environment and **explosive atmosphere**, using a type EX "e" connection, this minimal distance is 5mm. (See standards EN60079-7 and EN60947).

This tool allows to **cut easily the polyethylene matrix** to respect these distances in all cases.

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Main features

According to the different models of the different manufacturers of self-regulating heating cables, the distance between the bus wires is highly variable, ranging from 1.5 to 4.2mm.

Jaws:

Notch length: 5mm for each manual cutting operation.

Notch width: They exist in three configurations, allowing to cover the different spacings between existing between bus wires.

- Cables with distance between bus wires from 1.5 to 2mm.
- Cables with distance between bus wires from 2 to 3.3mm.
- Cables with distance between bus wires from 3.3 to 4.2mm.

This last model also allows cutting cables and conductors according to type 4 and 5 cuts.

Production of special pliers: Possible on request, send us cable samples.

Each guillotine notching plier is delivered in a professional box with a set of cable dimension guides

Part numbers

6YTTL05A	Guillotine notching plier for cables with distance between bus wires from 1.5 to 2mm.
6YTTL05B	Guillotine notching plier for cables with distance between bus wires from 2 to 3.3mm.
6YTTL05C	Guillotine notching plier for cables with distance between bus wires from 2 to 3.3mm and types 4 and 5 cuts.
6YTTL05D	Set of 3 guillotine notching pliers with the 3 sets of jaws.



Tool case

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