

## CABLE TURNBUCKLE

### PRODUCT DESCRIPTION

The cable turnbuckle Thermostick TPS001X, is realized to obtain the continuity of the electrical connection between the linear heat detector along the perimeter of gasket of the floating roof tank and the control panel.

Installed on the top edge of the tank, the detection system follows the movements of the roof, unwrapping the cable in case of decreasing of the tank level, and wrapping the cable in case of increasing the roof level.

The external jacket of the connection cable provides a good chemical resistance and the dissipative sheath avoid the incoming of electrostatic charges. The device must be installed only in an intrinsically safe circuit Ex ia.

Spring mechanism is enclosed inside an AISI316 box with IP42 protection.

An inspection window is available to verify of internal equipment without to remove the device from the installation.



### TECHNICAL FEATURES:

- Dimensions: HxLxD (mm): 400x450x150
- Weight: 25Kg
- Enclosure: AISI316 Stainless steel
- Internal spring: Carbon steel
- Internal mechanism: AISI 316 Stainless steel
- Cabletype: - 4 conduttori di 1mm<sup>2</sup>
  - not propagating flames
  - resistant to chemical agents
  - lenght 23mt
- Resistance: 19,5Ω/Km (0,45Ω@23mt)
- Capacitance spec.: 80nF/Km (1,84nF@23mt)
- Inductance: 0,9mH/Km (20,7μH@23mt)
- Insulation resistance: 0,035 MOhm
- Operating voltage: max 48V
- Junction box: AISI316 Stainless steel Ex ia IIC
- Operating temperature: see table



### CERTIFICATIONS

CE 2460  II 1/2 G:

- Ta: -40° +40°C (T6)
- Ta: -40° +60°C (T4)

Ex ia IIC T6 or T4 Ga/Gb

EPT 18 ATEX 0346X:  $U_i \leq 30V$

IECEX EUT 18.0007X :  $I_i \leq 215 mA$

CML 22UKEX2472X:  $P_i \leq 1,2 W$

ECAS-Ex