Datasheet GRENTON TF-Bus Cable
TFB-200-T-01

Grenton TF-Bus Cable, 2x0,8+(2x2x0,5) is a dedicated cable for Grenton Smart Home.





1. Technical data

Cable:	
Cable type	2x0,8 mm + 2x2x0,5 mm
External diameter 'D'	6,6 mm
Cable weight	65 kg/km
Power conductor diameter	0,8 mm
Power conductor material	bare solid copper conductor (100 % Cu)
Power conductor insulation	PVC
Power conductor colors	black, red
Signal coductor diameter	0,5 mm
Signal conductor material	bare solid copper conductor (100 % Cu)
Signal conductor insulation	PE
Signal conductor colors	green and white green, orange and white orange - twisted as a pair
Signal conductor screen	poliester tape covered aluminium for each signal wires pair
Sheath material	PVC
Sheath color	Red
Electrical properties:	
Rated voltage	100 V
Test voltage	700 V
Signal conductor capacitance	50 nF/km
Signal conductor wave impedance	120 Ohm +/- 15%
Cable properties:	
Minimal inner bending radius	10 x D
Maximal temperature	80 °C
Minimal temperature	-40 °C
Minimal temperature during application	-5 °C
Environmental properties:	
Standards	EN 60332-1, IEC 60332-1

2. Warnings and cautionary statements



ATTENTION !

● Before proceeding with the assembly, read the installation schematics and full instructions available at www.grenton.com. Failure to follow the guidelines contained in the instructions and other requirements of due care valid as a result of the nature of the equipment (device) may be dangerous to life / health, damage the device or installation to which it is connected, damage other property or violate other applicable regulations. The manufacturer of the device, Grenton Sp. z o. o. does not bear any responsibility for the damage (property and non-property related) resulting from the assembly and / or use of the equipment not in accordance with the instructions and / or due diligence in handling the equipment (device).
● Device power supply, permissible load or other characteristic parameters have to be in accordance with the device specification, described in particular in the "Technical data" section.
● The product is not intended for children and animals.
● If you have technical questions or comments about the device operation, contact Grenton Technical Support.
● Answers to frequently asked questions can be found at: www.support.grenton.pl



DANGER !

● Danger to life caused by electric current!
● The components of the installation (individual devices) are designed to work in a home electrical installation or directly in its vicinity. Incorrect connection or use may cause a fire or electric shock.
● All work related to the installation of the device, in particular works involving interference in the electrical installation, may be performed only by a person with appropriate qualifications or licences.
● When installing the device, make sure that the power supply voltage is disconnected from the circuit in which the device is connected or near which the assembly takes place.

3. CE marking

The manufacturer declares that the device is in full compliance with the requirements of EU legislation that includes the directives of a new approach appropriate for this equipment. In particular, Grenton Sp. z o. o. declares that the device fulfills the requirements on safety, specified by law, and that it conforms to the national regulations that implement the appropriate directives: The Directive on the electromagnetic compatibility (EMC - 2014/30/UE) and the Directive on the limitation of the use of specific substances in electrical and electronic equipment (RoHS II - 2011/65/UE).



4. Warranty

Warranty available at: www.grenton.com/warranty

5. Manufacturer contact details

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