

# Monitorix<sup>®</sup> BUS-cable

## TECHNICAL DATA SHEET



### Structure

- 1 ..... copper conductor, bare, single-wire
- 2 ..... polyvinyl chloride (PVC) core insulation
- 3 ..... core winding made of plastic foil
- 4 ..... static shield made of plastic-laminated aluminium foil with drain wire
- 5 ..... outer sheath made of polyvinyl chloride (PVC) sheath colours in green

### Utilisation

For installation on and under plaster in dry, damp and wet rooms as well as outdoors (with protected installation) in high- and low-current systems, as a BUS cable (EIB installation bus) and as an I&C cable in high-voltage systems. The transmission of measured values, use in process data processing and use in the field of control and regulation technology are the main areas of application for this cable.

### Mechanische Eigenschaften

number of double wires and nominal diameter	2 x 2 x 0.8 mm
copper number	21 kg/km
outer diameter	ca. 6.6 mm
weight	ca. 60 kg/km
type	L-Y(ST)Y EIB

### Info

wire pairs arranged in a star quad (see technical appendix)

norms	DIN VDE 0815 (also includes wire marking) DIN EN 60228 Class 1 (conductor structure) EIBA specification
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### Technical data

peak operating voltage U <sub>0</sub> /U	[V]	300
temperature range	moved	-5°C bis +50°C
	stationary	-30°C bis +70°C
conductor resistance	max. [Ohm/km]	73.2
insulation resistance	mind. [MOhm/km]	100
operational capacity	at 800 Hz. [nF] max.	100
test voltage	core/core [KV] 5min.	1
	core and shield gg	
	cable surface [KV] 1min.	4
bending radius	x DA	15

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## NOTES ON THE APPLICABILITY AND VALIDITY OF THE DATA SHEET

All information is intended for professionals such as architects, building planners, tradesmen in the construction / roofing, carpentry and gardening and landscaping trades. They do not release you from your own responsibility. They have been compiled to the best of our knowledge, but do not constitute a guarantee. The currently applicable standards and recognised rules of technology apply to all planning and execution. We reserve the right to make changes due to improvements in application or production technology. The contents of the data sheet do not replace object-related, specialised structural planning. Interfaces to neighbouring trades are not highlighted separately, but must nevertheless be taken into account during planning and execution.

**IMPORTANT NOTE: Please ensure that the sensors and sensor tracks are installed when dry!**

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