



UNITRONIC® BUS AS-INTERFACE (G)

DB2170228

valid from: 17.10.2013

Application

UNITRONIC® BUS ASI (G) with the design code 3G3G-FI 2 x 1,5 is a field-bus cable with two cores for AS-INTERFACE (Actuator-Sensor Interface). The cable is intended for fixed installation and flexible applications without tensile stress and forcible control in dry and damp interiors. The version with black outer sheath can be used outdoors.

Design

Conductor	tinned copper, ca. 1.5 mm \varnothing , fine-wire stranded
Insulation	rubber-based elastomer compound, core \varnothing ca. 2.5 mm
Core identification	colors of the cores: brown (+), blue (-)
Core assembly	2 cores parallel deviation brown core assembled in line with leading edge
Outer sheath	rubber-based elastomer compound, dimensions and tolerances acc. to ASI specification sheath colors: art.no. 2170228: yellow (similar to RAL 1012) art.no. 2170229: black (similar to RAL 9005)

Electrical properties at 20° C

Resistance	max. 13.7 Ω /km
Volume resistivity	min. 10 G Ω cm
Operating voltage	ca. 30 V
Operating peak voltage	300 V (not for power purposes)
Test voltage core/core (rms, 50 Hz, 1 min.)	2000 V

Mechanical and thermal properties

Minimum bending radius (on broadside)	moved: 16 mm fixed installation: 12 mm
Permissible temperature range	moved: -30 °C up to +85 °C fixed installation: -40 °C up to +85 °C
Halogen free	halogen free acc. to VDE 0472-815
General requirements	Dangerous and forbidden substances acc. to RoHS directive 2011/65/EU regarding restriction of the use of certain hazardous substances (RoHS) are not allowed to the manufacturing.