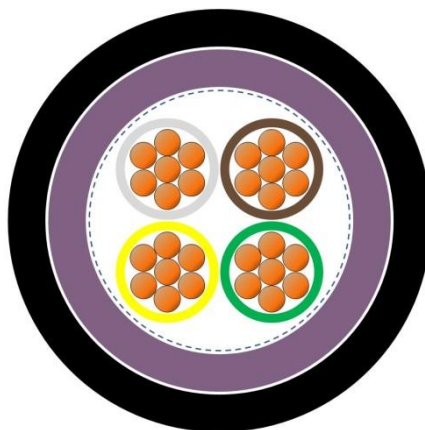


2170500	DATA SHEET	
valid from: 01.01.2019	UNITRONIC® BUS CAN BURIAL 4x1x0,5	

Application

Data cable for the CAN bus system. The cable is intended for fixed installation in dry and damp interiors and for direct burial.

Design



Conductor	stranded bare copper wire, 20 AWG (7 x ca. 0.32)
Insulation	foam-skin PE, core $\varnothing$ ca. 1.9 mm
Core identification code	white, yellow, brown, green
Stranding	4 cores stranded together On top: 1 layer plastic foil
Screen	braid of tinned copper wires, coverage ca. 85%
Outer sheath	PVC, violet, Inner sheath outer $\varnothing$: ca. 7.1 mm on top outer sheath PVC, black, outer $\varnothing$: ca. 9.0 mm

Electrical properties at 20°C

Loop resistance	max. 74 Ω /km
Insulation resistance	min. 1 G Ω xkm
Mutual capacitance	ca. 40 nF/km (at 1 kHz)
Characteristic impedance	1 MHz: 120 Ω $\pm$ 12 Ω
Peak operating voltage	300 V (not for power purposes)
Test voltage	conductor/conductor 1500 V conductor/screen 1500 V

Mechanical and thermal properties

Minimum bending radius	repeated: 8 x cable $\varnothing$ single: 4 x cable $\varnothing$
Temperature range	40 °C up to +80 °C
General requirements	This cable is conform to the EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).

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