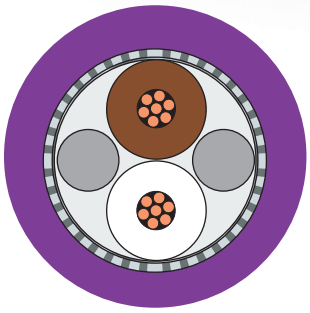

VOKA CAN Bus 1x2x0,22²

Bus-cable for fieldbus-system
for indoor application 1x2x0,22²

APPLICATION

Controller Area Network (CAN) serves as variable fieldbus system for industry. In automation complex sensors, actuators and control units are interconnected. The cable is applicable for fixed installation in dry and moist rooms. Approved for usage acc. to euroclass classification Fca.

STANDARDS

ISO 11898 ; EN 50170

CONSTRUCTION

Conductor: copper strand, bare, AWG 24/7
Core insulation: FS-PE
Core diameter: 1,60 ± 0,05 mm
Core identification: white, brown
Screening: tinned copper wire braid 0.10
Sheath material: Special PVC
Sheath color: violett, RAL 4001

BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2 ; UL 444 CMX
UL AWM 2571 ; UL AWM 21694
EN 13501-6 class Fca

CHEMICAL PROPERTIES

RoHS 2011/65/EU

ELECTRICAL CHARACTERISTICS

loop resistance max.	max. 175 Ω / km
Insulation resistance min.	min. 1 GΩ x km
	at +20°C
Operating capacity	nom. 40 nF / km
Impetance	120 Ω ± 18 Ω
Test voltage	1500 V / AC
Nominal voltage U_0/U	125 V
NVP	nom. 0,76 c
Signal delay	max. 440 ns/100m
Coupling resistance	< 250 mΩ/m at 30MHz

THERMAl & MECHANICAl PROPERTIES

Temperature range stationary	-30°C to +70°C
Temperature range during inst.	0°C to +50°C
min. bending radius installed	5x diameter
min. bending radius moved	10 x diameter
Maximum traction	100N

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
1x2xAWG24/7	6.0	42	16.7	

Version: 05/2024

We reserve changes which serve technical progress • Price upon quantity-specific request

VOKA
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Transmission characteristics

The stated performance data are characteristic measurements.

f (MHz)	Attenuation (dB/100m) NOM	NEXT (dB) NOM	ACR (dB/100m) NOM	EL-FEXT (dB/100m) NOM	RL (dB) NOM
0,1	0,6				
1	1,7				
5	3,9				
10	5,6				
20	8,1				

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