



VOKA PROFIBUS 1x2x0,64

Bus-cable for Profibus

Permanent indoor installation 1x2x0,64

APPLICATION

The cable can be used as connecting cable in general machinery construction. It is used as connection cable between bus segments. Cost-efficient plant and machinery wiring is the great advantage of bus technology. Only the information-related component responds to the signal and processes it. The cable is applicable for indoor installation. Approved for usage acc. to euroclass classification Fca.

STANDARDS

IEC 61158-2 ; DIN 19245 T3 ; EN 50170

CONSTRUCTION

Conductor: copper wire, solid, bare (AWG 22/1)

Core insulation: FS-PE

Core diameter: 2,50 ± 0,05 mm

Core identification: red, green

Screening: Al/PETP compound foil

tinned copper wire braid 0.10

Sheath material: Special PVC

Sheath color: violett, RAL 4001

BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2 ; UL AWM 2571 ; UL AWM 21694 ;

EN 13501-6 class Fca

CHEMICAL PROPERTIES

RoHS 2011/65/EU

ELECTRICAL CHARACTERISTICS

loop resistance max.	max. 112 Ω / km
Insulation resistance min.	min. 5 GΩ x km at +20°C
Operating capacity	nom. 30 nF / km
Impedance	150 Ω ± 15 Ω
Test voltage	1000 V / AC
Nominal voltage U_0/U	125 V
Coupling attenuation	> 80 dB
Coupling resistance	< 20 mΩ/m at 10MHz

THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-20°C to +60°C
Temperature range during inst.	0°C to +50°C
max. bending radius installed	6 x diameter
max. bending radius moved	12 x diameter
Maximum traction	100N

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
AWG22/1	7.6	54	25	

Version: 10/2019

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

