



## VOKA PROFIBUS 1x2x0,64 halogen-free

Bus-cable for Profibus

Permanent indoor installation 1x2x0,64

### APPLICATION

Halogen-free bus-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

**Sheath material:** halogen free material (FRNC)

**Sheath color:** violett, RAL 4001

### BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2 ; EN 61034 ; EN 50267 ;  
IEC 60754-2 ; IEC 61034 ; UL AWM 21309 ;  
EN 13501-6 class Fca

### CHEMICAL PROPERTIES

RoHS 2011/65/EU ; IEC 60811-2-1 (IRM 902, 4h bei 70°C)

### 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
min. bending radius installed	6 x diameter
min. bending radius moved	12 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: 06/2023

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

