



## VOKA EIB Bus halogen-free Dca

acc. to KNX/EIB specification

### APPLICATION

For use in bus systems (EIB - European Installation Bus)  
**Usage:** Laying in/on plaster, even in moist and wet rooms.  
 Not approved for outside and underground installation.

### STANDARDS

EIB/KNX-guideline ; guideline 2014/35/EU

### CONSTRUCTION

**Conductor:** copper, solid, bare, 0,8mm  
**Core insulation:** halogen-free compound  
**Core identification:** acc. to KNX/EIB specification  
**Stranding:** 2 cores twinned to pairs or 4 together  
**Wrapping:** plastic foil  
**Screening:** plastic-laminated aluminium foil, drain wire  
**Sheath material:** halogen-free compound  
**Sheath color:** green, RAL 6017

### BEHAVIOR UNDER FIRE CONDITIONS

EN 50575 ; EN 60332-1-2 ; EN 60332-3 ; IEC 60754-2  
 EN 61034-2 ; EN 50399 ; EN 13501-6 class Dca-s1 d2 a1

### CHEMICAL PROPERTIES

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

### ELECTRICAL CHARACTERISTICS

loop resistance max.	73,2 Ω/km
Insulation resistance min.	100 MΩxkm at +20 °C
Operating capacity	max. 100 nF/km
Capacitive coupling K1	max. 300 pF/100m
Test voltage	1500 V / AC
Operating voltage	300 V / AC

### THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-30 °C to +70 °C
Temperature range during inst.	-5 °C to +50 °C
min. bending radius installed	8 x diameter
min. bending radius moved	8 x diameter

Dimension	Diameter appr. mm	Cable weight appr. kg/km	Copper index kg/km	Article number
1 x 2 x 0,8	5,5	40	11	16355100
2 x 2 x 0,8	6,1	55	21	16355200

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