



Ha-VIS data bus cable  
2-wire, elastic

## Advantages

- Halogen free
- Electron-beam cross-linked cable
- Improved fire performance
- High resistance to temperature
- Conform to MVB standard according IEC 61375-3-1

## Applications

For fixed and moveable installation inside of rail vehicles and buses. For symmetrical signal and data transmission with impedance of 120 Ohm. Suitable for use in MVB (Multifunction Vehicle Bus) as part of the TCN (Train Communication Network). Especially designed for termination with HARTING D-Sub InduCom and Han-Quintax® and other railway-specific Han® connectors and housings.

### Identification

### Part No.

Ha-VIS data bus cable  
2-wire, elastic

#### Sheath material:

Elastomer, electron-beam cross-linked,  
COMP 603

Colour: black

Nominal voltage: 300 V

#### Testing voltage:

Conductor/conductor 2 kV AC  
Conductor/shielding 2 kV AC

Maximum conductor  
resistance at 20 °C: < 40.1 mΩ / m

Impedance at  
0.75 – 3 MHz: 120 Ω ± 12 Ω

Transfer impedance  
at 20 MHz: ≤ 20 mΩ / m

#### Attenuation:

1 MHz: ≤ 12 dB / km

3 MHz: ≤ 17 dB / km

4 MHz: ≤ 22 dB / km

#### Maximum conductor temperature:

Fixed installed -40 °C ... +90 °C

Short circuit +160 °C

#### Minimum bending radius:

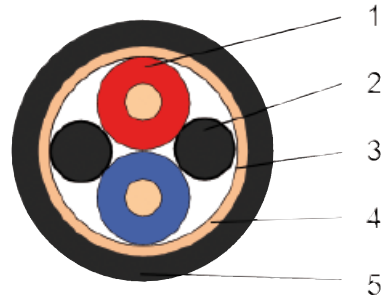
Fixed installed > 6 x diameter

Cable sheath diameter: (Ø 7.9 ± 0.2) mm

Cable weight: 85 kg / km

500 m drum

09 45 600 0270



#### 1. Pair

Conductor: tinned copper strands 0.5 mm<sup>2</sup> according to VDE 0295 / IEC 60228 class 5 construction 16 x 0.20 mm, Ø 0.85 mm

Insulation: Polyethylene (PE), cross-linked, Comp 655 Ø 2.85 mm

Colours: red, blue

#### 2. Filler

#### 3. Wrapping

Plastic tape

#### 4. Shielding

Aluminium-bonded polyester tape with tinned fine copper braid, Ø 6.5 mm

#### 5. Jacket

Elastomer electron-beam cross-linked Comp 603, Ø 7.9 mm  
Colour: black