



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 UIC 558 standard
- Conform to WTB standard according IEC 61375-2-1

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 WTB (Wire Train Bus) as part of the TCN (Train Communication Network) according UIC 558. 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: < 26.7 mΩ / m

Capacitance at 1 MHz:
Wire/wire: < 65 pF / m
Wire/screen: < 120 pF / m

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

Transfer impedance
at 30 MHz: ≤ 30 mΩ / m

Attenuation:
1 MHz: ≤ 10 dB / km
4 MHz: ≤ 14 dB / km
5 MHz: ≤ 18 dB / km

Maximum conductor temperature:
Fixed installed -40 °C ... +90 °C
Short circuit +160 °C

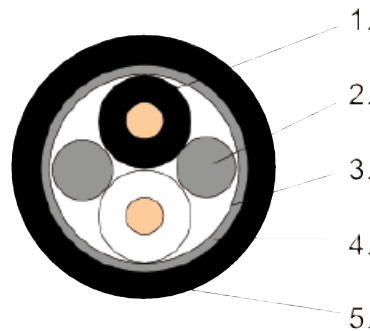
Minimum bending radius:
Fixed installed > 6 x diameter

Cable sheath diameter: (Ø 9.6 ± 0.2) mm

Cable weight: 114 kg / km

500 m drum

09 45 600 0280



1. Pair

Conductor: tinned copper strands 0.75 mm² according to VDE 0295 / IEC 60228 class 5 construction 24 x 0.20 mm, Ø 1.1 mm

Insulation: Polyethylene (PE), cross-linked, Comp 655 Ø 3.7 mm
Colours: black, white

2. Filler

Polyolefine copolymer

3. Wrapping

Plastic tape

4. Shielding

Aluminium-bonded polyester tape with tinned fine copper braid, Ø 8.2 mm

5. Jacket

Elastomer electron-beam cross-linked Comp 603, Ø 9.6 mm
Colour: black