BUS-EIB-H/KNX

European installation BUS, halogen free

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Technical Data:

- **Conductor material** Copper bare
- **Conductor class** Class 1
- **Core insulation** Halogen free compound
- **Core identification** colours: black, yellow, white, red (VDE 0815)
- **Stranding** Cores twisted in star quads
- **Outer sheath** PVC
- **Sheath colour** Green
- **Rated voltage [V]** 300
- **Testing voltage [V]** 4000
- **Insulation resistance** ≥ 100 MΩ x km
- **Min. bending radius** 10 xd
- **Min. bending radius moved [xd]** 15 x d
- **Working temp fixed min/max [C]** -30°C up to +70°C
- **Working temp moved min/max [C]** -5°C up to +50°C
- **Burning behaviour** VDE 0482-332-1-2/IEC 60332-1: flame-retardant and self-extinguishing

Construction:

- outer sheath of PVC
- core isolation of PVC
- blank copper conductor, single-wired
- cores: red, black, white, yellow
- foil screen
- wrapping of plastic film with drain wire
- UL-approved available

Application:

For serial data transmission in the decentralized control system of buildings e.g. heating, ventilation, lighting, air-conditioning and closing systems. Here sensor signals or actor signals (e.g. the on en off from light or motors) are transmitted.
This Bus-cable is suitable for installation in and under plaster and in suitable conduits

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
207020080	2 x 2 x 0.80	6.80	2.50	6.40
207040080	4 x 2 x 0.80	8.80	4.10	9.20

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Technical Data:

- **Conductor material** Copper bare
- **Conductor class** Class 1
- **Core insulation** Halogen free compound
- **Core identification** colours: red, black, white, yellow
- **Stranding** Cores twisted in star quads
- **Outer sheath** halogen free polymer-**Sheath colour** Green
- **Rated voltage [V]** 350
- **Testing voltage [V]** 4000
- **Insulation resistance** ≥ 100 MΩ x km
- **Min. bending radius 10 xd**
- **Working temp fixed min/max [C]** -30°C up to +70°C
- **Working temp moved min/max [C]** -5°C up to +50°C
- **Burning behaviour** IEC 60332-1: flame-retardant and self-extinguishing

Construction:

- bare CU wire, 0.8 mm
- core insulation: halogen-free compound
- core colours: red, black, white, yellow
- cores twisted in star quads lapped with foil
- screened with plastics laminated aluminium foil tracer wire
- outer sheath: halogen-free, flame-retardant
- sheath colour: green

Special advantages over PVC-sheathed installation cables

- reduced fire propagation
- reduced smoke emission
- reduced fire load
- no corrosive gas

Application:

For serial data transmission in the decentralized control system of buildings e.g. heating, ventilation, lighting, air-conditioning and closing systems. Here sensor signals or actor signals (e.g. the on / off from light or motors) are transmitted.
Also as measuring and control cable for the transmission of measuring values in mains power equipment or processing data systems.
This Bus-cable is suitable for installation in and under plaster and in suitable conduits.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
207010080HF	1 x 2 x 0.80	5.00	1.30	3.10
207020080HF	2 x 2 x 0.80	6.80	2.50	6.40