

BiT E-BUS H

EIB, KNX halogen-free cable

RoHS 2011/65/EU



LVD 2014/35/EU



CPR 305/2011



internal application



EN 60332-1



halogen-free
EN 60754



low smoke emission
EN 61034



data transmission

Technical data:

Operating temperature: -40°C do 80°C

Min. installation temp: -5°C

Wave impedance: 100Ω

Conductor loop resistance (max.): 47,2Ω/km

Insulation resistance: 100MΩxkm

Capacitance: 100nF/km

Min. bending radius: 8xØ

Construction:

Conductors: solid copper conductors, as per EN 60228

Insulation: special halogen-free compound

Conductor marking:

for a two-pair arrangement: white, yellow, red, black

for a four-pair arrangement: white, yellow, red, green, blue, brown, white, white

Core arrangement: cores twisted in pairs, pairs twisted together

Screen: aluminium backed polyester tape with tinned copper drain wire Ø 0,4mm placed longitudinally under the screen

Sheath: special halogen-free, self-extinguishing and flame retardant (as per EN 60332-1)

Sheath colour: green (two-pair cable) or purple (four-pair cable)

Application:

Cable for transmission of BUS signals in intelligent building management systems based on standards of the European Information Bus EIB. Signals received from system sensors (lighting, temperature, air conditioning, access control and others) are gathered in the EIB bus, and subsequently processed and used to control a device's operation. Cables can be installed in dry and damp rooms, both within and on walls, as well as in pipes, trays and cable ducts. They may also be used for external applications but suitably protected against direct exposure to sunlight.

Cables classified according to **EN 50575 (CPR)**.

Cat no.	nx2xmm	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Sheath colour
EB0080	2x2x0,8	6,0	54	21	green
EB0081	4x2x0,8	9,3	92	41	purple

Cable Factory BITNER reserves the right to modify the specifications without prior notice

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