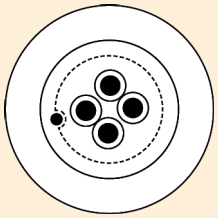
EIB-BUS cable HCHM FRNC

RoHS

With static shield

CROSS SECTION



Acc. to DIN VDE 0815

SPECIAL FEATURES

Properties
Halogen free

Sheath colour
Green

APPLICATION

The higher test voltage and labelling make this cable ideal for the transmission of BUS signals in the field of buildings system technology. This particularly applies for the European installation bus (EIB). The EIB BUS cable has been EIBA-certified to no. 1/39/92 and fulfils the requirements for bus cables established in DIN VDE 0829 and pr EN 5009-2. EIB BUS cables HCHM can be laid on, within and under plastered surfaces, in tubes and installation ducts, in dry, damp and wet rooms and outdoors – providing they are protected against direct sunlight. They can be laid alongside and touch heavy current cables. Only one core pair (red/white) is needed for the installation bus EIB, via which both the 24 V bus current and data telegrams can be transmitted. The second core pair is used as a reserve or for special purposes.

STRUCTURE

Conductor	Sheath colour: copper, blank, single core Stranding element: star quad, pairs stranded in layers Joint core covering: plastic film Tensile stress: according to the provisions of DIN VDE 0298 part 3
Core insulation	Insulation made from a halogen-free compound Labelling of the a-core: of the 1st pair, red; of the 2nd pair, white Labelling of the b-core: of the 1st pair, black; of the 2nd pair, yellow
Drain wire	Copper, blank, single core
Shield	Plastic-laminated aluminium foil
Outer sheath	Halogen-free compound

TECHNICAL DATA

Nominal voltage	250 V
Test voltage	4 KV
Conductor resistance	73.2 Ohm/km
Insulation resistance	Min. 100 MOhm x km
Operating capacity	At 800 Hz max. 100 nF/km
Operating temperature	-40°C to +70°C
Capacitive coupling	At 800 Hz 300pF/100 m
Min. installation temperature	+5°C
Max. installation temperature	+70°C

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
EIB bus cable Halogen free 2x2x0.8 HCHM	21.0	7.0	54	2141001