



for fixed installation, PVC or halogen-free, CPR Eca



APPLICATION

as a bus cable for EIB/KNX systems, in the field of intelligent building automation (e.g. motion detectors, lighting, heating / air conditioning / ventilation, time recording systems, blinds, etc.) as well as measuring and control cable in power installations. Suitable for fixed installation on and under plaster and in pipes and cable ducts, in dry, damp and wet rooms but not outdoors without UV protection.

Standard acc.to KNX-Spec.: EN 50090-2-1 & EN 50090-2-2



SPECIAL FEATURES

- TKD EIB/KNX cables are tested with increased testing voltage (4 kV) The cables can be laid without restrictions next to power cables or touch them.
- YCYM - standard description in Germany for so-called EIB/KNX cable with high voltage test 4kV and corresponds to our type: EIB/KNX BUS (St)-PVC
- EMC compliant shielding

PRODUCT DETAILS

DESIGN

Conductor material	bare copper wire
Conductor class	Ø 0,8 mm: eindrätig
Core insulation	PVC resp. halogen-free compound
Core identification	red-black, white-yellow
Stranding	cores twisted to quad
Overall shield	alu-lamin. polyester foil, with subjacent tinned drain wire
Outer sheath material	PVC resp. halogen-free compound
Sheath colour	green RAL 6018 (GN)

ELECTRICAL PROPERTIES

Rated voltage AC IEC	300 V (not for high voltage purposes)
Testing voltage	core/sheath: 4 kV
Loop resistance	max. 73,2 Ω/km
Insulation resistance	min. 100 MΩ x km
Capacity	max. 100 nF/km
Characteristic impedance	nom. 75 Ω/km
Coupling	max. 200 pF/km

MECHANICAL & DYNAMIC PROPERTIES

Min. bending radius fixed	7,5 x d
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THERMAL PROPERTIES

Operat. temp. fixed min./max. [°C]	- 30 °C / +80 °C
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EIB/KNX BUS 75 Ohm



PROPERTIES IN CASE OF FIRE

Halogen-free

Burning behavior

acc. to IEC 60754-1 (FRNC Typen)
flame retardant acc. to IEC 60332-1-2

ITEM OVERVIEW

EIB/KNX BUS PVC

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
2003702	2 X 2 X 0,8	6,2	22,0	64,0

EIB/KNX BUS H FRNC

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
2003734	2 X 2 X 0,8	6,2	22,0	64,0