



USE OF CABLE

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

REMARKS

- conform to RoHS // LABS-/silicone-free (during production)
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- FRNC: Flame Retardant Non Corrosive, halogenfrei
- EIB/KNX - the KNX system was originally called "European Installation Bus" (abbreviated EIB)

PRODUCT INFORMATION

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
Shield3:	Alu-lamin. polyester foil, with subjacent tinned drain wire
Outer sheath:	PVC resp. halogen-free compound
Sheath colour:	Green RAL 6018 (GN)
Rated voltage:	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
Min. bending radius fixed:	7,5 x d
Operat. temp. fixed min/max:	- 30 °C / +80 °C
Halogen free:	Acc. to IEC 60754-1 (FRNC Typen)
Burning behavior:	Flame retardant acc. to IEC 60332-1-2

ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2003702	2 X 2 X 0,8	6,2	22,00	64,00	green	V1: EIB/KNX BUS (St)-PVC
2003734	2 X 2 X 0,8	6,2	22,00	64,00	green	V2: EIB/KNX BUS (St)-H FRNC