

DATASHEET

KNX bus data cable 1x2x0.8 mm



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Applications

The KNX cable 1x2x0.8 mm is used for the installation of KNX/EIB bus systems in building automation. It is suitable for controlling and networking lighting, heating, blinds, ventilation and other automation and control tasks.

Technical data

Inner conductor	Cu
Inner conductor \varnothing	0,8 mm
Dielectric	Polyethylene (PE)
Dielectric \varnothing	1,6 mm
Drain wire	CuSn
Tape	Al/PET
Outer sheath	LSZH-FR, halogen-free and UV-resistant (green)
Outer diameter	5,8 mm
Weight of copper conductors	10,1 kg/km
Total weight of cable	44,2 kg/km
Bending radius	60 mm
Fire class according to EN 50575	Cca

Electrical characteristics

Single wire resistance	35 Ω /km
Insulation resistance	100 M Ω /km
Mutual capacitance (10 kHz)	75 pF/m
Withstand voltage core/core	1000 Vdc (1 min)
Max. attenuation	\leq 0,05 MHz: 15 db/km 0,05 - 0,5 MHz: 35 db/km 0,5 - 5 MHz: 95 db/km 5 - 25 MHz: 200 db/km