

DATASHEET

KNX bus data cable 2x2x0.8 mm



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Applications

The KNX cable 2x2x0.8 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
Tape	PET spirally wrapped
Drain wire	CuSn
Tape	Al/PET spirally wrapped
Outer sheath	LSZH-FR, halogen-free and UV resistant (green)
Outer diameter	6,6 mm
Weight of copper conductors	19,2 kg/km
Total weight of cable	62,1 kg/km
Bending radius	70 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)	70 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