



2 Pair KNX Cable

Mechanical Characteristics

Construction:	Number of Pairs:	2
	Core Colours:	Red, Black, White, & Yellow
	Inner Conductor:	Solid Bare Copper (1/0.8mm)
	Insulation:	LSZH
	Screen:	Aluminium/Polyester Foil Coverage >120%
	Drain Wire:	Solid Bare Copper
	Sheath:	Green Ral 6018 LSZH
Overall Diameter:		5.60mm (± 0.30 mm)
Cable Weight:		49kg/km (Nominal)
Storage/Operating Temperature:		-20°C to +80°C
Min. Bend Radius:		10 X OD

*Cable image and colours are for illustration purposes only and may vary.

Application

KNX cables (formerly called EIB) are used in building utility systems and smart buildings. They provide an energy efficient way to operate and automate lighting, heating, air-conditioning, ventilation, energy management, time management, and locking systems.

Description

2 pair cable with solid bare copper conductor, LSZH insulation, overall aluminium foil screen, tinned copper drain wire. Sheathed in green LSZH.

Electrical Characteristics

Nominal Conductor Resistance:	<37.5 Ω /km @ 20°C
Nominal Capacitance:	100pF/m
Inductance:	< 850 μ H/Km
Working Voltage:	50V
Isolation Voltage:	0.6/1kV
Test Voltage:	1000 (cond-cond/cond-screen) 4000 (outward)
Attenuation 0.05Mhz:	<15dB/100m
Attenuation 0.5Mhz:	<35dB/100m
Attenuation 5Mhz:	<95dB/100m
Attenuation 25Mhz:	<200dB/100m

CPR Class

Cca-s1b,d1,a1
(EN 50575: 2015 +A1:2016).

Standards

CEI 20-35/1-2
EN 60332-1-2
IEC 60332-1-2
CEI 20-22-3-4
EN 60332-3-24
IEC 60332-3-24