

FEATURES

- Conductor: Class 1 solid cooper
- Insulation: HDPE
- Shield: polyester band + conductor wire + aluminum/polyester band
- Cover: halogen-free polyolefin (Z1)
- Conformity with the CE directives

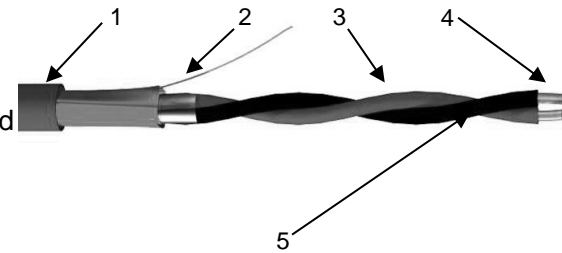


Figure 1. 1 x 2 x 0.8mm KNX cable

1. Cover	2. Shield	3. Insulation	4. Conductor	5. Twisted pair
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GENERAL SPECIFICATIONS		
MANUFACTURING CHARACTERISTICS	DESCRIPTION	
Conductor	Material	Class 1 solid cooper
	Diameter	0.8mm
	Section	0.5mm ²
Insulation	Material	High density polyethylene (HDPE)
	Diameter	1.60mm
	Structure	Twisted pair
	Colours	Red-Black
Shield	Internal layer	Polyester band
	Intermediate layer	Conductor wire 0.6mm
	External layer	Aluminum/ Polyester band
Cover	Material	Halogen-free polyolefin Z1
	External diameter	4.7mm
	Colour	Green
Other designations		Zennio KNX J-2Y (St)H 1x2x0.80 mm 300V LH E _{ca}
PHYSICAL CHARACTERISTICS	DESCRIPTION	
Operating temperature	-15 a 70°C	
Length	400m	
Weight	46kg/km	
Length tag	Each 1m	
Other characteristics	Flame retardant No-fire propagation No halogen content	
Bending factor when laying	10 x External diameter	
ELECTRICAL CHARACTERISTICS	DESCRIPTION	
Resistance (@ 20°C)	36Ω/km	
Operating voltage	300V	
INSTALLATION	DESCRIPTION	
Suitable emplacements	Housing Industries Only fixed installation	
Non-suitable emplacements	Underground installation Open air installation	