

Technical Datasheet YE00906



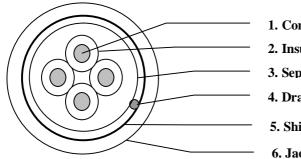
EIB – H(St)H 2x2x0.8

Rev. 1/ 2005-10-18 2/2

#### Application

Twisted pair cable used in Konnex building management networks designed according the European Standard EN 50090

### **Construction and Dimensions**



Conductor
Insulation
Separator
Drainwire
Shielding
Jacket

- **1. Conductor** Material Dimensions
- 2. Insulation Material Diameter Minimum wall thickness Colors in twisted pair Stranding elements
- **3. Separator** Material
- **4. Drainwire** Material Dimension
- **5. Shielding** Material Position aluminum Coverage
- 6. Jacket
  - Material Nominal diameter Max. diameter Nominal thickness Min. wall thickness Color

Solid bare copper 0.8 mm (AWG20)

LSNH 1.60 +/- 0.05 mm 0.30 mm Red / Black, White /Yellow quad

Plastic foil

Solid copper 0.4 mm (AWG26)

Aluminum-polyester Inside 100%

LSNH 6.3 mm 7.2 mm 1.1 mm 0.75 mm Green ( RAL 6018)

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Requirements and test methods				
Electrical:				
Max. capacitance conductor to conductor @ 800kHz	100 nF/km			
Max.capacitance unbalance @ 800kHz	300 pF/100m			
Max.conductor DC loop resistance @ 20°C	73.2 Ohm/km			
Maximum operating voltage	300 V rms			
Mechanical and physical:				
Maximum pulling tension	50 N			
Minimum bending radius	65 mm			
Copper weight	19.2 kg/km			
Total weight	56 kg/km			
Temperature rating (Installation)	-5 to $+50$ °C			
(Storage and usage)	- 25 to + 70 °C			
Flame resistance	IEC 60332-1			
Applicable specification	EN 50090			
Environmental	RoHS compliant			

## **Ordering information**

#### MARKING

Sheath colorRAL TextGreen6018BELDENcable (TM) YE00906 EIB 2x2x0.8 mm YYYYY MMMM REG nr 109/7254/05			
	Sheath	RAL	Text
Green6018BELDENcable (TM) YE00906 EIB 2x2x0.8 mm YYYYY MMMM REG nr 109/7254/05	color		
	Green	6018	BELDENcable (TM) YE00906 EIB 2x2x0.8 mm YYYYY MMMM REG nr 109/7254/05

Metermarking: Yes

#### PACKAGING

Put-up	Put-up length	Put-up type
code		
0100	100 –0/+0 meter	Plastic wrapped coil
0500	500 –0/+0 meter	Non-returnable reel
1000	1000 –0/+50 meter	Non-returnable reel

Each reel is labeled with the following data: Belden CDT Logo. Belden CDT code number. Item description. Length on the reel. Date of manufacture. CE-marking.