EIB – Y(St)Y 2x2x0.8
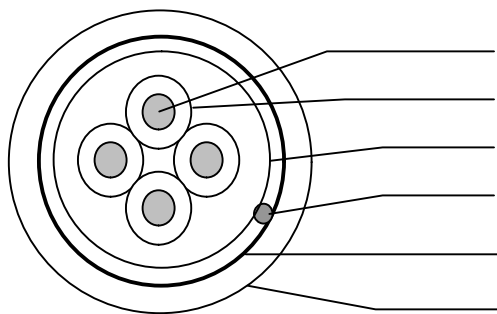
Application

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

Construction and Dimensions

1. Conductor
2. Insulation
3. Separator
4. Drainwire
5. Shielding
6. Jacket

1. Conductor
Material	Solid bare copper
Dimensions	0.8 mm (AWG20)

2. Insulation
Material	PVC
Diameter	1.43 +/- 0.05 mm
Minimum wall thickness	0.25 mm
Colors in twisted pair	Red / Black, White /Yellow
Stranding elements	quad

3. Separator
Material	Plastic foil

4. Drainwire
Material	Solid copper
Dimension	0.4 mm (AWG26)

5. Shielding
Material	Aluminum-polyester
Position aluminum	Inside
Coverage	100%

6. Jacket
Material	PVC
Nominal diameter	6.1 mm
Max. diameter	7.0 mm
Nominal thickness	1.1 mm
Min. wall thickness	0.75 mm
Color	Green (RAL 6018)

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	60 mm
Copper weight	19.2 kg/km
Total weight	52 kg/km
Temperature rating (Installation)	-10 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 color	RAL	Text
Green	6018	BELDENcable (TM) YE00820 EIB 2x2x0.8 mm YYYYY MMMM REG nr 109/7253/05

Metermarking: Yes

PACKAGING

Put-up code	Put-up length	Put-up type
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.

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