

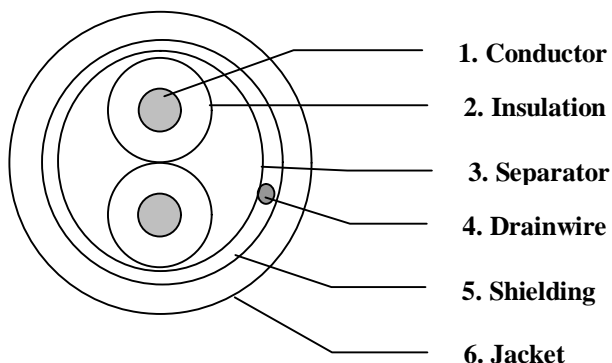
EIB – Y(St)Y 1x2x0.8

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 + Dimensions



1. Conductor

Material
Dimensions

Solid bare copper
0.8 mm (AWG20)

2. Insulation

Material
Diameter
Minimum wall thickness
Colors in twisted pair
Stranding elements

PVC
1.43 +/- 0.05 mm
0.25 mm
Red / Blue
pair

3. Separator

Material

Plastic foil

4. Drainwire

Material
Dimension

Solid copper
0.4 mm (AWG26)

5. Shielding

Material
Position aluminum
Coverage

Aluminum-polyester
Inside
100%

6. Jacket

Material
Nominal diameter
Max. diameter
Nominal thickness
Min. wall thickness
Color

PVC
5.5 mm
6,2 mm
1.1 mm
0.75 mm
Green (RAL 6018)



EIB – Y(St)Y 1x2x0.8

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

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 | 40 N |
| Minimum bending radius | 55 mm |
| Copper weight | 9.6 kg/km |
| Total weight | 38 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) YE00819 EIB 1x2x0.8 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.