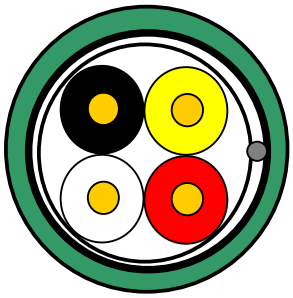
## APPLICATION

EIB cable for building management.

## CONSTRUCTION



**1. Conductor**

| | |
|---|---|
| Diameter of conductor | 0.8 mm (0.5mm2) |
| Material | solid bare copper |

**2. Insulation**

| | |
|---|---|
| Material | PVC |
| Diameter over insulation | 1.40 ± 0.05 mm |
| Wallthickness | 0.3 mm |

**3. Overall Cabling**

| | |
|---|---|
| | four wire into a quad |
| Colour code | white-red-yellow-black |
| | Cable core is wrapped with a PET or PP foil (overlap > 15%) |
| Laylength | < 80 mm |

**4. Outer shield**

| | |
|---|---|
| Shield | Beldfoil®) |
| Shield Material | Aluminium / Polyester tape |
| Shield Thickness Alu | 9 µm |
| Shield coverage | 100% |
| Drainwire | 0.4 mm Solid tinned Cu |

**4. Sheath**

| | |
|---|---|
| Material | PVC (like RAL 6017) |
| Colour | Green |
| Nominal thickness | 1.2 mm |
| Nominal diameter | 6.1 mm +/- 0.3 mm |

Cable has a round appearance, sheath easy to remove.

## REQUIREMENTS AND TEST METHODS

### Electrical:

| | |
|---|---|
| Maximum resistance conductor | 34 Ω/km |
| Maximum capacitance conductor-conductor | 100 nF/km |
| Testvoltage conductor-conductor | 1000 VDC, 1 min. |
| Testvoltage conductor-screen | 1000 VDC, 1 min. |

### Mechanical and physical:

| | |
|---|---|
| Flame resistance | IEC 60332-1 |
| Temperature range processing and operating | -20 to +70 ˚C |
| Temperature range storage | -30 to +70 ˚C |
| Minimum bending/setting radius | 5*D/10 |

Cableprint: (in black ink) once every meter.
(WW/YY week and year nr of production, xxxx M = metermarking)

**“BELDEN (TM) YE00820 EIB 2X2X0.8 MM WW/YY xxxx M REG NR. 109/7253/05”**

Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.