APPLICATION
EIB cable for building management.

CONSTRUCTION

1. **Conductor**
   Diameter of conductor   0.8 mm (0.5mm2)
   Material   solid bare copper

2. **Insulation**
   Material   PE
   Diameter over insulation 1.60 ± 0.05 mm
   Wallthickness   0.4 mm

3. **Overall Cabling**
   Colour code   red – 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   FRNC (like RAL 6017)
   Colour   Green
   Nominal thickness   1.4 mm
   Nominal diameter   6.3 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
Halogen content according to IEC754-1	zero
Corrosivity of fire gasses according to IEC754-2	
Conductivity	$\leq$ 100 μS/cm
pH value	$\geq$ 3.5
Minimum bending/setting radius	5*D/10

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

"BELDEN (TM) YE00905 EIB 1X2X0.8 MM   WW/YY xxxx M   REG NR. 109/7254/05"

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.

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