

	<b>TECHNICAL DATA SHEET</b>	code	<b>YE00905</b>
		version	<b>2</b>
	<b>EIB cable 2x0.8B PE FS FRNC</b>	date	<b>2009-03-10</b>
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## APPLICATION

EIB cable for building management.

## CONSTRUCTION



### 1. Conductor

Diameter of conductor	0.8 mm (0.5mm <sup>2</sup> )
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
Laylength	Cable core is wrapped with a PET or PP foil (overlap > 15%) < 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.	

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## 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	≤ 100 μS/cm
pH value	≥ 3.5
Minimum bending/setting radius	5*D/10

Cableprint: (in black ink) once every meter.

(WW/YY week and year of production, xxxx M = metermarking)

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

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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.