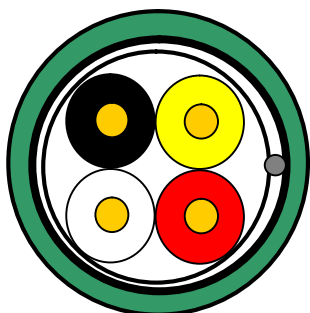
	<b>TECHNICAL DATA SHEET</b>		code	<b>YE00906</b>
			version	<b>3</b>
	<b>EIB cable 4x0.8B PE FS FRNC</b>		date	<b>2010-10-26</b>
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## APPLICATION

EIB cable for building management.

## CONSTRUCTION



### 1. Conductor

Diameter of conductor  
Material

0.8 mm (0.5mm<sup>2</sup>)  
solid bare copper

### 2. Insulation

Material  
Diameter over insulation  
Wallthickness

PE  
1.60 ± 0.05 mm  
0.4 mm

### 3. Overall Cabling

Colour code

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

Laylength

### 4. Outer shield


Shield  
Shield Material  
Shield Thickness Alu  
Shield coverage  
Drainwire

Beldfoil®)  
Aluminium / Polyester tape  
9 µm  
100%  
0.4 mm Solid tinned Cu

### 4. Sheath

Material  
Colour  
Nominal thickness  
Nominal diameter  
Cable has a round appearance, sheath easy to remove.

FRNC (like RAL 6017)  
Green  
1.4 mm  
6.3 mm +/- 0.3 mm

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## REQUIREMENTS AND TEST METHODS

### Electrical:

Maximum resistance conductor	34 $\Omega$ /km
Nominal capacitance conductor-conductor	50 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	$\leq 100 \mu\text{S/cm}$
pH value	$\geq 3.5$
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) YE00906 EIB 2X2X0.8 MM WW/YY xxxx M REG NR. 109/7254/05”**



Belden declares 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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