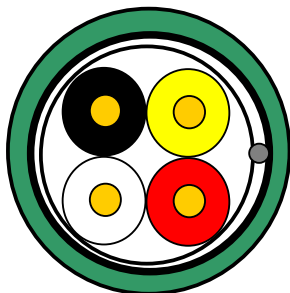


	TECHNICAL DATA SHEET		code	YE00906
			version	3
	EIB cable 4x0.8B PE FS FRNC		date	2010-10-26
			page	1/2

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

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

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.

	TECHNICAL DATA SHEET		code	YE00906
			version	3
	EIB cable 4x0.8B PE FS FRNC		date	2010-10-26
			page	2/2

REQUIREMENTS AND TEST METHODS

Electrical:

Maximum resistance conductor	34 Ω /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	≥ 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.