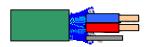


TECHNICAL DATA SHEET	code	YE00905
	version	3
EIB cable 2x0.8B PE FS FRNC	date	2010-10-26
	page	1/2

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 $1.60 \pm 0.05 \text{ mm}$

Wallthickness 0.4 mm

3. Overall Cabling

Colour code red – blue

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.

B				V
SENDING ALL THE RIGHT SIGNALS				

TECHNICAL DATA SHEET	code	YE00905
	version	3
EIB cable 2x0.8B PE FS FRNC	date	2010-10-26
	page	2/2

REQUIREMENTS AND TEST METHODS

Electrical:

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

 $\begin{array}{ccc} Conductivity & \leq 100 \ \mu S/cm \\ pH \ value & \geq 3.5 \\ Minimum \ bending/setting \ radius & 5*D/10 \end{array}$

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 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.