	TECHNICAL DATA SHEET	code	YE00819
		version	2
	EIB cable 2x0.8B PVC FS PVC	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 PVC
Diameter over insulation 1.40 ± 0.05 mm
Wallthickness 0.3 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

5. Sheath

Material PVC (RAL 6017)
Colour Green
Nominal thickness 1.2 mm
Nominal diameter 5.5 mm +/- 0.3 mm
Cable has a round appearance, sheath easy to remove.

	TECHNICAL DATA SHEET	code	YE00819
		version	2
	EIB cable 2x0.8B PVC FS PVC	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
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) YE00819 EIB 1X2X0.8 MM WW/YY xxxx M REG NR. 109/7253/05”



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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