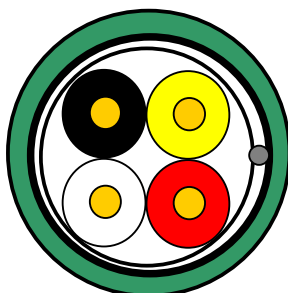
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APPLICATION

EIB cable for building management.

CONSTRUCTION



1. Conductor

Diameter of conductor
Material

0.8 mm (0.5mm²)
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 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	≤ 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 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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