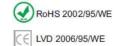
# BiT L2 BUS DB

### O2YS (St) CYY, Profibus network data cables





#### **Technical data:**

**Characteristic Impedance:** 

150 Ohm +/- 10%

Resistance of loop (max): 115  $\Omega$  / km

Resistance of the screen (max):

 $9,7 \Omega / km$ 

Insulation resistance: 1GΩxkm

Capacity: 30nF / km Test voltage: 1,5 kV

Wave attenuation at frequencies

1 MHz = 1.2 dB / 100m 4 MHz = 2.2 dB / 100m 10 MHz = 3.2 dB / 100m 16 MHz = 4.2 dB / 100m Temperature: -30°C to 70°C

Installation temperature: -5℃ to 50℃

Min. Bending radius:  $10 \times \emptyset$ 

### Construction:

**Conductors:** bare copper wires, solid, diameter 0,64mm **Isolation:** foamed polyethylene with polyethylene skin

Core colors: red, green

Centre: cores twisted with two fillers

Screens: polyester tape coated with a layer of aluminum, tinned copper wires braid

Inner coating: special PVC

Outer sheath: special PVC, oil resistant (see table of chemical resistance), self-extinguishing and

flame retardant (according to EN 60332-1)

Sheath color: black Application:

Cables are used to connect L2-BUS components (standard 485) and transmission analog and digital signals. Paired construction provides good symmetry to ground and dual screen protects against any interference from external electromagnetic fields, Results of the construction is a very good

transmission quality. Cables can be use in dry and wet environment, inside, outside and laid in cable

duct and directly in the ground, intended for permanent installation.



Industrial applications



Inner application



Outer aplications



Laying in the ground



EN 60332-1



UV resistar



EMC

Cat. No	n x 2 x mm	Outer diameter [mm]	Approximate weight of the cable [kg/km]	Cu [kg/km]
EB0017	1 x 2 x 0,64	9,4	92	26,3

Bitner Cable Factory reserves the right to change specifications without prior notice



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