

# 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:** 1G $\Omega$ xkm

**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°C to 50°C

**Min. Bending radius:** 10 x  $\varnothing$

## 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 applications



Outer applications



Laying in the ground



EN 60332-1



UV resistant



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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Ethernet Cables / Networking Cables](#) category:*

*Click to view products by [BITNER](#) manufacturer:*

Other Similar products are found below :

[0152660053](#) [603020002](#) [73-7797-25](#) [73-8890-10](#) [73-8890-14](#) [73-8891-14](#) [73-8891-25](#) [73-8892-50](#) [73-8894-10](#) [73-8894-3](#) [73-8895-14](#) [73-8896-7](#) [MCJB2-10P6Q7-120](#) [84909-0204](#) [9QA0-111-12-3.00](#) [1200650742](#) [1200700174](#) [1200860368](#) [1200650013](#) [1201080008](#) [1-21919-1](#) [1300500373](#) [1300101844](#) [1300101845](#) [130050-0004](#) [1300500014](#) [1410147](#) [E16A06002M030](#) [E200102-009-S1](#) [MT14-187L](#) [17-103530](#) [NK5EPC18RDY](#) [NK5EPC18VLY](#) [NK5EPC18YLY](#) [NK5EPC1GRY](#) [NK5EPC30BLY](#) [NK5EPC30VLY](#) [NK5EPC30YLY](#) [NK5EPC4Y](#) [NK5EPC6YLY](#) [NK5EPC8BLY](#) [NK5EPC9YLY](#) [NK6PC30BUY](#) [NK6PC30GRY](#) [NK6PC30RDY](#) [NK6PC30Y](#) [NK6PC30YLY](#) [1969343-6](#) [C501100010](#) [C501106002](#)