

BIT L2 BUS DB

O2YS (St) CYY, Profibus network data cables



Technical data:

Characteristic Impedance:
150 Ohm +/- 10%

Resistance of loop (max): 115 Ω / km

Resistance of the screen (max):
9,7 Ω / km

Insulation resistance: 1G Ω 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