

BiT L2 BUS FC

Data transmission cables
for Profibus DP network, FastConnect



industrial application

internal application

EN 60332-1

data transmission

EMC

FastConnect

Technical data:

Operating temperature: -40°C do 80°C
Min. installation temp: -5°C
Wave impedance: 150Ω+/-10%
Conductor loop resistance (max): 115Ω/km
Screen resistance (max): 9,7Ω/km
Insulation resistance:1GΩxkm
Capacitance: 30nF/km
Test voltage: 1,5kV
Wave attenuation at a frequency of:
1MHz = 1,2dB/100m
4MHz = 2,2dB/100m
10MHz = 3,2dB/100m
16MHz = 4,2dB/100m
Min. bending radius: 10xØ

Construction:

Conductors: solid copper conductors 1x2x0,64mm
Insulation: made of foamed polyethylene with a thin external layer of solid polyethylene
Conductor colours: red, green
Core arrangement: cores twisted together with two fillers
Screens: aluminium backed polyester tape and tinned copper wire braid
Sheath: special PVC, oil resistant (cf. chemical resistance table), self-extinguishing and flame retardant (as per EN 60332-1)
Sheath colour: purple

Application:

L2-BUS cables are intended for connecting components (standard 486) and transmission of analogue and digital signals. Paired construction ensures good symmetry with respect to earth, while double screen protects against interferences from external electromagnetic fields, what guarantees very good transmission quality. Cables may be used in dry and damp rooms, and are suitable for fixed installations. Special construction allows to strip the cable with the special striping tool (FastConnect). Cables classified according to **EN 50575 (CPR)**.

Cat no.	nx2xmm	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EB0016	1x2x0,64	8,0	75	27,0

Cable Factory BITNER reserves the right to modify the specifications without prior notice

RoHS 2011/65/EU

LVD 2014/35/EU

CPR 305/2011

2 years warranty