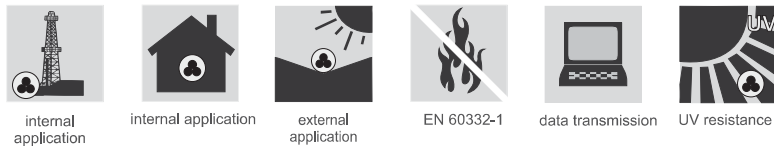


BiT Profibus PA

Data transmission cables
for the Profibus networks



Technical data:

Operating temperature: -40°C do 80°C
Min. installation temperature: -5°C
Wave impedance: 100Ω+/-20%
Conductor loop resistance (max.): 44Ω/km
Insulation resistance: 1GΩxkm
Capacitance: 55nF/km
Próba napięciowa: 1,5kV
Attenuation loss at a frequency of 39 kHz = 3dB/km
Min. bending radius: 8xØ

Construction:

Conductors: solid copper conductors 1 x 2 x 1 mm
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: blue (for explosion hazard zones) or black.

Application:

The cables are intended for connecting PROFIBUS network components and signals transmission acc. to Profibus PA standard (Process Automation). Paired construction ensures good symmetry with respect to earth, while the 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. Blue sheathed cable is dedicated for explosion hazard zones, black sheathed one is resistant to UV radiation. Cables classified according to **EN 50575 (CPR)**.

Cat no.	nx2xmm	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]	Sheath colour
EB0010	1x2x1	7,6	76	44,0	black (UV)
EB0009	1x2x1	7,6	76	44,0	blue

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