

# BiT Profinet typ A

Data transmission cables for industrial networks



## Technical data:

**Operating temperature:** -40°C do 80°C  
**Min. installation temp:** -10°C  
**Wave impedance:** 100 Ω +/- 10%  
**Conductor loop resistance (max.):** 115Ω/km  
**Insulation resistance:** 500MΩxkm  
**Capacitance:** 50nF/km  
**Test voltage:** 2kV  
**Min. bending radius:** 6xØ

## Construction

**Conductors:** solid copper conductors  
**Izolacja:** solid PE  
**Conductor colours:** red, white, yellow, blue  
**Core arrangement:** 4 cores twisted together  
**Inner sheath:** special PVC  
**Screens:** aluminium backed polyester tape and tinned copper wire braid with coverage 90%  
**Sheath:** special PVC, oil resistant, self-extinguishing and flame retardant (as per EN 60332-1, EN 60332-1, IEC 60332-1)  
**Sheath colour:** green

## Application:

Cables designed for construction of integrated automation systems operating in industrial Ethernet.  
Cables classified according to **EN 50575 (CPR)**.

No cat.	[nx2xmm]	Outer diameter [mm]	Approximate cable weight [kg/km]	Cu [kg/km]
EB0030	2x2x0,64	6,5	68	32,0

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

### Attenuation loss

Mhz:	1	4	10	16	20	31	62	100
[dB/100m]	1,6	3,1	5,0	6,8	7,8	10,0	14,4	20,0