BiT L2 BUS High Flex

RoHS 2015/863/EU
LVD 2014/35/EU
CPR 305/2011
24 months warranty

LiO2YS(St)C11Y, data transmission cables for the Profibus network

Technical data:

Thermal parameters:

Operating temperature:
fixed installation: -40 °C to 80 °C
flexible connections: -30 °C to 80 °C

Electrical parameters:

Wave impedance: 150 Ω +/-10%
Conductor loop resistance (max.): 69,1 Ω/km
Insulation resistance (min.): 1 GΩ x km
Capacitance: 35 nF/km
Test voltage: 1500 V
Wave attenuation at a frequency of:
4 MHz = 2,5 dB/100 m
16 MHz = 5,2 dB/100 m

Mechanical parameters:

Min. bending radius:
fixed installation: 5 x Ø
flexible connections: 10 x Ø

Design:

Conductors:	multi-stranded, bare copper conductors 1x2x0,64 mm (AWG24/19)
Insulation:	foamed polyethylene with a thin external layer of solid polyethylene
Core identification:	red and green
Core arrangement:	cores twisted together with two fillers
Screens:	aluminium backed polyester tape and tinned copper wire braid
Outer sheath:	special PUR with increased mechanical and chemical resistance; colour: purple

Application:

Cables designed for connecting very flexible applications and transmission of analogue and digital signals. Paired construction ensures good symmetry with respect to earth, while double screen protects against interference from external electromagnetic fields, which guarantees very good transmission quality. Cables may be used in dry and damp rooms and are suitable especially for continuous bending in drag chains designed and tested to withstand minimum 5 million bending cycles. Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x 2 x mm	Outer diameter* [mm]	Approx. cable weight [kg/km]
EB0018	1x2x0,64	8,1	78

*Outer diameter tolerance: +/-5%
Cable Factory BITNER reserves the right to modify specifications without prior notification
Note: on customer's request other cross sections or number of cores can be produced