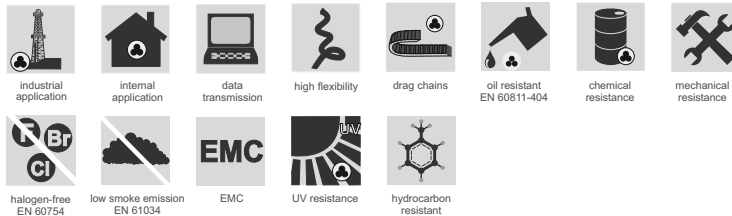


BiT L2 BUS High Flex

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



Drag chain cables



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