BiT CAN-BUS Drag Chain

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

Data transmission cables for CAN-BUS network, designed for drag chain operations

industrial application
internal application
external application
data transmission
drag chains
oil resistant EN 60811-404
chemical resistance
mechanical resistance
halogen-free EN 60754
low smoke emission EN 61034
EMC
UV resistance
hydrocarbon resistant

Technical data:

Thermal parameters:

Operating temperature:
fixed installation: -50 °C to 80 °C
flexible connections**:** -40 °C to 80 °C

Electrical parameters:

Wave impedance: 120 Ω +/-15%
Conductor resistance (max.): 53 Ω/km
Insulation resistance (min.): 5 GΩ x km
Capacitance: 40 nF/km
Test voltage: 1000 V

Mechanical parameters:

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

Design:

Conductors:	very finely stranded bare copper wires (42x0,1mm)
Insulation:	foamed polyethylene with a thin external layer of solid polyethylene
Conductor colours:	white and brown
Core arrangement:	cores twisted together
Wrapping:	special fleece tape
Screen:	tinned copper wire braid
Outer sheath:	special PUR with enhanced resistance to abrasion, chemicals, resistant to oil and industrial coolants, UV resistant; colour: purple

Application:

BiT CAN-BUS Drag Chain cable for data transmission in CAN (Control Area Network) is designed for continuous operation in drag chains withstanding at least 10mln bending cycles within a chain. Cable suitable both for indoor and outdoor applications. Cables classified according to **EN 50575 (CPR).**

Cat. no.	n x 2 x mm	Outer diameter* [mm]	Approx. cable weight [kg/km]
EB0050	1x2x0,34	7,0	60

*Outer diameter tolerance: +/-5%
Cable Factory BITNER reserves the right to modify specifications without prior notification