

BiT CAN-BUS Drag Chain

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

Technical data:

Operating temperature:
Fixed installation: -50°C to 80°C
Flexible connections: -40°C to 80°C
Wave impedance: 120Ω +/-15%
Conductor loop resistance (max.): 56Ω/km
Insulation resistance (min.): 5GΩxkm
Capacitance: 40nF/km
Test voltage: 1500V
Wave attenuation at a frequency of:
4 MHz = 2,5dB/100m
16 MHz = 5,2dB/100m
Min. bending radius:
Fixed installation: 5xØ
Flexible connections: 10xØ

Construction:

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
Sheath: special PUR with enhanced resistance to abrasion, chemicals, resistant to oil and industrial coolants, UV resistant
Sheath 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 10mIn bending cycles within a chain. Cable suitable both for indoor and outdoor applications. Cables classified according to **EN 50575 (CPR)**.

Cat. no.	nx2xmm	Outer diameter [mm]	Approx. cable weight [kg/km]	Cu [kg/km]
EB0050	1x2x0,34	7,0	60	30,0

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