

Product Specifications



InterBus Cable 3x2x0.25 mm² +3x1.0 mm²

Standards

Interbus specification 2.0, IEC61158

Halogen-free acc. to 60754-1



Description

Cable drag chains—also referred to as cable chains, cable carriers, cable track, and energy chains—are flexible hollow structures used to guide, support, and protect cables, hoses, and hydraulic lines when in motion

Applications

Bus is designed for guided continuous motion in cable carriers and as strictly a bus cable or a hybrid version (with integrated power supply). Both versions feature a halogen-free PUR jacket.

Product Specifications

Type Cable structure	InterBus cable 3x2x0.25 mm ² +3x1.0 mm ²
Inner conductor diameter	Copper, bare (AWG 24/19)
Inner conductor diameter 2	Copper, bare (AWG 17/56)
Core insulation	PE
Core insulation 2	PE
Core colours	wh/bn, gn/rd, ye/gn
Core colours 2	bu, rd, gnye
Stranding element:	Double core
Separator:	Polyester foil over stranded bundle
Total shielding	Cu braid, bare
Outer sheath material	PVC/PUR
Cable external diameter:	app . 8,6 mm ± 0,3 mm
Outer sheath colour:	Violet similar to RAL 4001

Product Specifications



Electrical data

Electrical data	InterBus cable 3x2x0.25 mm² +3x1.0 mm²
Characteristic impedance	100 Ohm ± 15Ohm
Conductor resistance, max	96 Ohm/km
Insulation resistance, min	1 GOhm x km
Loop resistance	192 Ohm/km max .
Mutual capacitance	60 nF/km nom .
Test voltage	1 kV

Technical data

Technical data	Fixed installation, indoor 2x2x0.50 mm² (stranded)
Weight	app . 92 kg/km
bending radius, repeated	130 mm
Operating temperature range min .	-20°C
Operating temperature range max	+70°C
Caloric load, approx . value	1,227MJ/m
Copper weight	70,00 kg/km