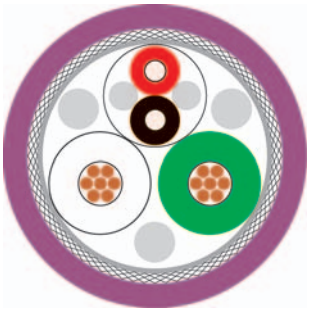
BUS Cables

USB Bus L

HELUKABEL

Drag Chain



Type
Cable structure

Drag chain applications
1x2xAWG24 + 1x2xAWG20

Inner conductor diameter 1:	Copper, bare (AWG 24/19)
Inner conductor diameter 2:	Copper, tinned (AWG 20/37)
Core insulation 1:	PO
Core insulation 2:	PO
Core colours 1:	wh, gn
Core colours 2:	rd, bk
Stranding element 1:	2 cores + 2 fillers stranded together
Shielding 1:	Polyester foil over stranded bundle
Shielding 2:	-
Total shielding:	Foil + braid
Outer sheath material:	PUR
Cable external diameter:	approx. 6,0 mm ± 0,2 mm
Outer sheath colour:	Violet similar to RAL 4001

Electrical data

Characteristic impedance:	90 Ohm ± 15 %
Conductor resistance, max.:	140 Ohm/km
Insulation resistance, min.:	0,1 GOhm x km
Loop resistance:	280 Ohm/km max.
Mutual capacitance:	50 nF/km nom.
Test voltage:	0,5 kV

Typical values

Frequency	(MHz)	10	16	62,5	100	200	300
Attenuation	(db/100m)	8,5	10,2	21,3	27,3	41,5	53,3

Technical data

Weight:	approx. 56 kg/km
bending radius, repeated:	75 mm
Operating temperature range min.:	-20°C
Operating temperature range max.:	+60°C
Caloric load, approx. value:	0,57 MJ/m
Copper weight:	34,00 kg/km

Norms

Applicable standards:	USB-Standard 2.0
UL Style:	AWM 20963 (80°C/30V)
CSA standard:	CSA FT1

Application

These USB cables, designed specifically for use in heavy-duty industries, are the ideal solution for highly-flexible applications such as drag chains and camera technology. They guarantee superior transmission properties and can be used even under the most severe conditions. The cable cited here can be used up to a maximum cable length of 10m.

Part no.

802470, USB L

Dimensions and specifications may be changed without prior notice.