BUS Cables

USB Bus S 2.0 drag chain



PLIR



Type Cable structure

Inner conductor diameter 1: Inner conductor diameter 2:

Core insulation 1: Core insulation 2: Core colours 1: Core colours 2: Stranding element 1: Separator:

Shielding 1: Total shielding:

Outer sheath material: Cable external diameter:

Outer sheath colour:

Electrical data

Characteristic impedance: Conductor resistance, max.: Insulation resistance, min.: Loop resistance: Mutual capacitance: Test voltage:



Drag chain applications 1x2xAWG28 + 1x2xAWG20

Copper, tinned (AWG 28/19) Copper, tinned (AWG 20/64)

PP PP wh, gn rd, bk

2 cores + 2 fillers stranded together Polyester foil over stranded bundle

AL-Foil + braid

PUR

app. 5,0 mm ± 0,2 mm Violet similar to RAL 4001

90 Ohm ± 15 % 230 Ohm/km 0,1 GOhm x km 460 Ohm/km max. 60 nF/km nom. 0,5 kV

Typical values

Frequency	(MHz)	1	10	16	62,5	100	200	300	400	
Attenuation	(db/100m)	4,5	12,0	15,4	31,0	39,0	60,0	76,2	99,0	

Technical data

app. 45 kg/km Weight: bending radius, repeated: 50 mm -30°C Operating temperature range min.: +70°C Operating temperature range max.: Caloric load, approx. value: 0,55 MJ/m Copper weight: 30,00 kg/km

Norms

UL Style:

Applicable standards: USB-Standard 2.0

Halogen-free acc. to 60754-1 Flame-retardant CSA FT1 AWM 20963 (80°C/30V)

CSA standard: CSA FT1

Application

HELUKABEL® USB BUS S is designed for continous moving in cable carriers and lengths up to max. 5m. Conventional USB cables fail within a short period of time, which is why HELUKABEL developed this special cable. Thanks to the PUR sheath, it also offers excellent resistance to common mineral oils, greases and cooling lubricants.

Part no. **802469, USBS**

Dimensions and specifications may be changed without prior notice.

