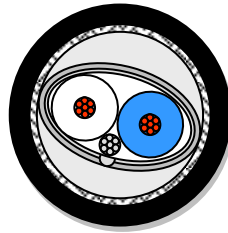


Draka digital control cable 2 x 0.22mm² B2 ca



Application

Control cables are used in professional broadcasting systems for digital signals, like AES/EBU audio

Standards

AES/EBU
IEC 60332-3-24
Cpr class: B2ca

Cable lay up

Conductor	stranded copper wires, tinned, AWG24/7, (cross section 0.22 mm ²), Ø=0.6 mm	
Insulation	Foam-skin-PE	Ø 1.2 mm
Pair stranding	two cores twisted to the pair	Ø 2.4 mm
Pair colour	white, blue	
Pair screen	Al-PET-foil, Aluminum inside + stranded copper drain wires, tinned	
Overall screen	copper braid, tinned	
Sheath	FRNC-C	Ø 6.0 mm
Sheath colour	black, RAL 900	
Sheath marking	DRAKA Digital control cable FRNC-C AES/EBU - 110 Ω B2ca s1a d1 a1 <CE> batch number + meter marking	

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Mechanical properties

Minimum bending radius	without load	$\geq 4 \times D$ (D= outer diameter)
	with load	$\geq 8 \times D$ (D= outer diameter)
Temperature range	during operation	-20° C to + 60° C
	during installation	- 5° C to + 50° C

Electrical properties

at 20°C

Loop resistance		$\leq 175 \Omega/\text{km}$
Insulation resistance	500 V	$\geq 2000 \text{ M}\Omega \cdot \text{km}$
Mutual capacitance	800 Hz	nom. 45 nF/km
Velocity ratio		ca .78%
Test voltage	(DC. 1 min) core/core and core/screen	1000 V
Characteristic impedance	6 MHz	$110 \Omega \pm 10 \%$

Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)
0.015	0.3
1.0	1.5
4.0	3.8
10.0	6.0
20.0	8.5

Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight kg/km	Standard-delivery-length m	Drum size EW	Copper content	Tensile force N
60084106 500DW 60083769 100DW	Li-02YSCH	1x2x0.6 PiMF	Control pair 0.22 ² FRNC-C B2ca	6.0	50	1000	500/200/310	16	100