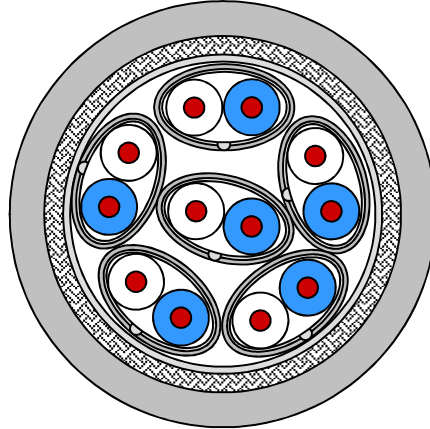


AC10 SS 23/1 nxP

Audio Cable



Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals.

Standards

Basing upon ARD-Specification and acc. to AES/EBU-Recommendation.

Flame resistance

FRNC-C: additionally IEC 60332-3 -24, Class D_{ca}

Construction

Conductor	solid copper wire, bare 0.56 mm (cross section 0.26 mm ²)	∅ AWG23/1
Insulation	Foam-skin-PE	∅ 1.4 mm
Pair stranding	Two cores twisted to the pair	
Pair identification	a - core: white, b - core: blue (the above colours in regular intervals)	
Pair screen	Al-PET-foil, Aluminium outside + solid copper drain wire, tinned	∅ 2.9 mm
Pair insulation of the one pair cable	PET-foil	
Overall screen of the one pair cable	copper braid, tinned	
Pair sheath of the multi-pair cables	halogen free, flame retardant copolymer	
Colour and identification	grey RAL 7001 with number printing	
Sheath	halogen free, flame retardant copolymer	
Sheath colour	grey, RAL 7001	
Sheath marking	DRAKA - AC10 SS 23/1 nP AES/EBU - 110 Ω	

AC10 SS 23/1 nxP

Mechanical properties

at 20°C

Bending radius during installation	with load	≥ 15 x cable diameter
	without load	≥ 10 x cable diameter
Temperature range	- 30 °C bis + 70 °C	

Electrical properties

at 20°C

DC loop resistance	≤ 165 Ω/km	
Insulation resistance	≥ 2000 MΩxkm	
Mutual capacitance at 800 Hz	nom. 45 nF/km	
Capacitance unbalance (pair to ground)	≤ 1200 pF/km	
Velocity ratio	approx. 78 %	
Test voltage (50 Hz, 1 min) core/core and core/screen	700 V rms	
Characteristic impedance	6 MHz : 110 Ω ± 10%	
Transfer impedance	up to 10 MHz	≤ 10 mΩ/m
	up to 100 MHz	≤ 100 mΩ/m

Electrical data

at 20°C

Frequency [MHz]	Near-end crosstalk (cable length: 300 m)		Attenuation [dB/100m]
	Draka Multimedia Cable - Measurement values		
	neighbouring pairs [dB]	unneighbouring pairs [dB]	
0.015	85	95	0.33
1.0	90	90	2.45
4.0	90	90	4.2
10.0	90	90	6.3
20.0	90	90	8.6

AC10 SS 23/1 nxP

Technical data

Product code	Type	Brand name	Outer diameter	Weight	Standard-delivery-length	Drum size	Gross weight	Copper content	Tensile force
			mm	Kg/km	M	EW	Kg		N
1002105 CT7649010	1x2x0.5 6 PiMF	AC10 SS 23/1 1P FRNC-C	4.6	27	1000	051	31	16.4	80
1002115 CT7649710	2x2x0.5 6 PiMF	AC10 SS 23/1 2P FRNC-C	8.3	90	1000	071	115	37	205
1002106 CT7649110	3x2x0.5 6 PiMF	AC10 SS 23/1 3P FRNC-C	8.8	108	1000	081	139	45	230
1002108 CT7649210	5x2x0.5 6 PiMF	AC10 SS 23/1 5P FRNC-C	10.9	170	1000	091	217	85	425
1002109 CT7649310	6x2x0.5 6 PiMF	AC10 SS 23/1 6P FRNC-C	11.8	190	1000	091	237	90	460
1002103 CT7648710	8x2x0.5 6 PiMF	AC10 SS 23/1 8P FRNC-C	13.0	210	1000	091	247	107	550
1002111 CT7649410	10x2x0.5 56 PiMF	AC10 SS 23/1 10P FRNC-C	15.1	275	1000	101	345	125	640
1002113 CT7649510	12x2x0.5 56 PiMF	AC10 SS 23/1 12P FRNC-C	15.6	320	1000	121	460	145	725

[PRODUCT CODE TABLE]

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