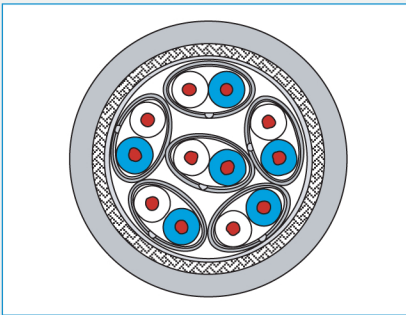


# AC10 SS 23/1 nxP

## 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.)

### Fire Rating

- VDE 0472 part 804 class B or C and IEC 332-1 or 332-3 cat. CF

### Construction

<b>Conductor</b>	solid copper wire, bare 0.56 mm (cross section 0.26 mm <sup>2</sup> )	Ø AWG23/1
<b>Insulation</b>	Foam-skin-PE	Ø 1.4 mm
<b>Pair stranding</b>	Two cores twisted to the pair	
<b>Pair identification</b>	a - core: white, b - core: blue (the above colours in regular intervals)	
<b>Pair screen</b>	Al-PET-foil, Aluminium outside + solid copper drain wire, tinned	Ø 2.9 mm
<b>Pair insulation of the one pair cable</b>	PET-foil	
<b>Overall screen of the one pair cable</b>	copper braid, tinned	
<b>Pair sheath of the multi-pair cables</b>	halogen free, flame retardant copolymer	
<b>Colour and identification</b>	grey RAL 7001 with number printing	
<b>Sheath</b>	halogen free, flame retardant copolymer	
<b>Sheath colour</b>	grey, RAL 7001	
<b>Outer Diameter</b>	Nom. 4.6(1pair) - 15.6(12pair) mm	
<b>Weight</b>	Nom. 27(1pair) - 320 (12pair) kg/km	
<b>Tensile force N</b>	Nom. 80(1pair) - 725(12pair)	

### Mechanical Properties at 20°C

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

### Electrical Properties at 20°C

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

### Nominal Transmission Characteristics 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]	Draka Multimedia Cable - Measurement values
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

### Ordering Information

P/N	Product Description	P.U
1002105 CT7649010	1x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002115 CT7649710	2x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002106 CT7649110	3x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002108 CT7649210	5x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002109 CT7649310	6x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002103 CT7648710	8x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002111 CT7649410	10x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum
1002113 CT7649510	12x2x0.56 PiMF, Audio Cable, AC10 SS 23/1 nxP	1000m/drum