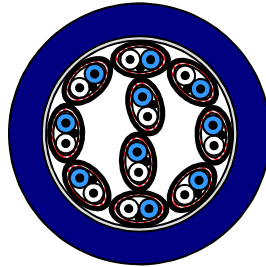


# AC10 SP 24/7 nxP

## Audio Cable



### Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals. For mobile use, not for fixed installation in construction works

### Standards

acc. to AES/EBU-Recommendation

### Construction

Conductor	stranded copper wires, bare, diameter 0.60 mm (AWG24/7) (cross section 0.22 mm <sup>2</sup> )	
Insulation	Foam-skin-PE , diameter 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	one layer of spiraled bare copper wires + stranded bare copper drain wires diameter 3.0 mm	
Pair sheath	PVC, diameter 3.8 (only multi-pair cables)	
Identification	black, RAL 9005 with number printing	
Cable lay up	n pairs twisted in layers	
Wrapping	Polyester web	
Sheath	PVC/rubber blue, RAL 5013	
Printing	<b>DRAKA</b> COMTEQ – AC10 SP 24/7-nxP AES/EBU – 110 Ω + meter marking + batch number	

### Mechanical properties

Minimum bending radius	without load	10 x D ( D= outer diameter )
	with load	15 x D ( D= outer diameter )
Temperature range	during operation	- 30° C to + 70° C

## AC10 SP 24/7 nxP

### Electrical properties

at 20°C

Loop resistance	at 20°C ± 5 °C	≤ 175 Ω/km
Insulation resistance	at 20°C ± 5 °C und 500 V	≥ 2000 MΩxkm
Mutual capacitance	at 800 Hz	≤ 46 nF/km
Velocity ratio		ca. 78 %
Test voltage	core/core	1000 V <sub>DC</sub> 1 min
	core/screen	1000 V <sub>DC</sub> 1 min
Characteristic impedance	6 MHz	110 Ω ± 10%

### Electrical data

at 20°C

Frequency (MHz)	Attenuation (dB/100m)	Near end crosstalk (cable length 300 m)	
		neighbouring pairs (dB)	unneighbouring pairs
0.015	0.3	100	100
1.0	1.5	75	85
4.0	3.8	65	80
10.0	6.0	63	70
20.0	8.5	60	65

### Technical data

Product code	Designation	Type	Brand name	Outer diameter mm	Weight kg/km	Standard delivery length m	Drum size *PWD/OWD	Gross weight kg	Copper content	Tensile force N
1001992 CT2956200	Li-02YSDYY	2x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 2P	10.9	93	1000	760/360/580	107	28	155
1001994 CT2956300	Li-02YSDYY	4x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 4P	11.6	132	1000	760/360/580	145	56	310
1001996 CT2956400	Li-02YSDYY	8x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 8P	14.9	230	1000	1000/500/560	284	112	620
1001998 CT2956501	Li-02YSDYY	10x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 10P	17.3	282	1000	1100/500/650	362	140	785
1001999 CT2956600	Li-02YSDYY	12x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 12P	18.7	350	1000	1100/500/650	430	168	945
1002001 CT2956701	Li-02YSDYY	16x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 16P	21.6	478	1000	1300/650/710	608	224	1255
1002067 CT2964400	Li-02YSDYY	32x2x0.22 <sup>2</sup> PiSW	AC 10 SP 24/7 32P	30.0	935	1000	1800/1000/840	1260	448	2515

## AC10 SP 24/7 nxP

AC10 (Audio Cable 10 Mbit/s, digital)  
SP (**S**piral Screen)  
PiSW (pairs in spiraled wires)  
PWD (plywood drum)  
OWD (oneway drum)

[PRODUCT CODE TABLE]

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