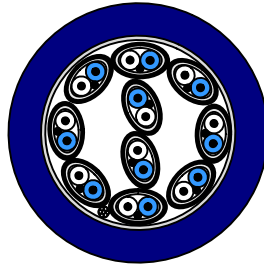


# AC10 SS 24/7 nxP

## Audio Cable



### Application

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

### Standards

acc. to AES/EBU-Recommendation

### Flame resistance

VDE 0472 part 804 class B and IEC 60332-1

### Construction

Inner conductor	stranded copper wires, bare, diameter 0.60 mm (AWG24/7) (cross section 0.22 mm <sup>2</sup> )	
Insulation	Foam-skin-PE , diameter 1.40 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, Aluminum inside, + stranded copper drain wires, tinned diameter 3.0 mm	
Pair insulation	PVC, diameter 3.8 mm	
Identification	black, RAL 9005 with number printing	
Cable lay up	n pairs twisted in layers	
Overall screen	Al-PET-foil + stranded copper drain wires, tinned	
Sheath	PVC/rubber blue RAL 5013	
Printing	<b>DRAKA</b> – AC10 SS 24/7 nxP AES/EBU – 110 Ω + batch number + meter marking	

### 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

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## 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	≤ 45 nF/km
Relative 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) (dB)	
		neighbouring pairs	unneighbouring pairs
0.015	0.3	85	95
1.0	2.5	90	90
4.0	4.2	90	90
10.0	6.3	90	90
20.0	8.6	90	90

## 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
1002497	Li-02YS(St)Y(St)Y	2x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 2P	9.6	76.5	1000	760/360/420	89	16	80
1002498	Li-02YS(St)Y(St)Y	4x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 4P	11.4	115	1000	760/360/560	129	30	155
1002499	Li-02YS(St)Y(St)Y	8x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 8P	15.4	216	1000	900/450/560	258	59.7	310
1027888	Li-02YS(St)Y(St)Y	10x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 10P	15.5	244	1000	1100/500/650	324	68	360
1002500	Li-02YS(St)Y(St)Y	12x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 12P	17.7	271	1000	1100/500/650	351	86	440
1028848	Li-02YS(St)Y(St)Y	16x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 16P	20.3	360	1000	1300/650/710	500	116.6	620
.....	Li-02YS(St)Y(St)Y	20x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 20P	24.0	465	1000	1400/710/670	635		775
1002064	Li-02YS(St)Y(St)Y	24x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7	25.7	546	1000	1600/800/900	756	180	880

## AC10 SS 24/7 nxP

	Y		24P							
.....	Li-02YS(St)Y(St) Y	32x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 32P	28.0	740	1000	1800/1000/84 0	990		1190
.....	Li-02YS(St)Y(St) Y	40x2x0.22 <sup>2</sup> PiMF	AC 10 SS 24/7 40P	31.0	925	1000	2000/1250/10 45	1250		1500

AC10 (Audio Cable 10 Mbit/s, digital)  
 SS (Super Screen, Pairs in metal-foil + overall foil screen)  
 PiMF (pairs in metal foil)  
 PWD (plywood drum)  
 OWD (oneway drum)

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
DR AC10 SS 24/7 16P		60010353	<b>60010353</b>
AC10 SS 24/7 10P		60014828	<b>60014828</b>
AC10 SS 24/7 8P PVC		--	<b>60026179</b>

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