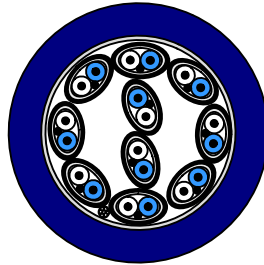


AC10 SS 24/7 nxP

Audio Cable



Application

Audio cables are used in professional broadcasting systems for the transmission of analogue and digital audio signals. Not for fixed installation in construction works

Standards

acc. to AES/EBU-Recommendation

Construction

Inner conductor	stranded copper wires, bare, diameter 0.60 mm (AWG24/7) (cross section 0.22 mm ²)	
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 3.6 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	DRAKA - 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

AC10 SS 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	≤ 45 nF/km
Relative Velocity ratio		ca. 78 %
Test voltage	core/core	1000 V _{DC} 1 min
	core/screen	1000 V _{DC} 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 ² PiMF	AC 10 SS 24/7 2P	9.6	75	1000	760/360/420	87	16	80
1002498	Li-02YS (St)Y(St)Y	4x2x0.22 ² PiMF	AC 10 SS 24/7 4P	11.4	113	1000	770/360/560	126	30	155
1002499	Li-02YS (St)Y(St)Y	8x2x0.22 ² PiMF	AC 10 SS 24/7 8P	15.4	212	1000	900/450/560	252	59.7	310
1027888	Li-02YS (St)Y(St)Y	10x2x0.22 ² PiMF	AC 10 SS 24/7 10P	15.5	217	1000	1100/500/650	297	68	360
1002500	Li-02YS (St)Y(St)Y	12x2x0.22 ² PiMF	AC 10 SS 24/7 12P	17.7	265	1000	1100/500/650	345	86	440
1028848	Li-02YS (St)Y(St)Y	16x2x0.22 ² PiMF	AC 10 SS 24/7 16P	20.3	356	500	1000/500/560	228	116.6	620
1002064	Li-02YS (St)Y(St)Y	24x2x0.22 ² PiMF	AC 10 SS 24/7 24P	25.7	538	500	1100/500/650	349	180	880
.....	Li-02YS (St)Y(St)Y	32x2x0.22 ² PiMF	AC 10 SS 24/7 32P	27.2	652	500	1200/600/710	426	228	1190

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)

AC10 SS 24/7 nxP

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
AC10 SS 24/7 2P PVC	1002497	60044801	60044801
AC10 SS 24/7 4P PVC	1002498	60044802	60044802
AC10 SS 24/7 8P PVC	1002499	60026179	60026179
AC10 SS 24/7 10P PVC	1027888	60014828	60014828
AC10 SS 24/7 12P PVC	1002500	60044803	60044803
AC10 SS 24/7 16P PVC	1028848	60010353	60010353
AC10 SS 24/7 24P PVC	1002064	---	---
AC10 SS 24/7 32P PVC	---	---	---

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