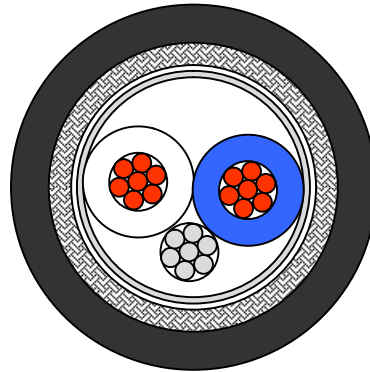




AC10 SS 24/7 1P

Audio Cable



Application

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

Standards

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

Flame resistance

VDE 0472 part 804 class B and IEC 332-1

Construction

Conductor	stranded copper wires, bare AWG24/7(7x0.2mm)	∅ 0.6 mm (cross section 0.22 mm ²)
Insulation	Foam-skin-PE	∅ 1.55 mm
Pair stranding	two cores twisted to the pair	∅ 3.1 mm
Pair identification	a - core: white, b - core: blue	
Pair screen	Al-PET-foil, Aluminium inside + stranded copper drain wires, tinned	∅ 3.2 mm
Pair insulation	PET-foil	
Overall screen	copper braid, tinned	
Sheath	PVC/rubber	
Sheath colour	matt black RAL 9005	
Sheath marking	DRAKA COMTEQ – AC10 SS 24/7 1P AES/EBU - 110 Ω	

Mechanical properties

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

Electrical properties

at 20°C

DC loop resistance	(at 20 ± 5 °C)	≤ 174 Ω/km
Insulation resistance (at 20 ± 5 °C and 500 V)	(at 20 ± 5 °C and 500 V)	≤ 2000 MΩxkm
Mutual capacitance at 800 Hz		nom. 45 nF/km
Capacitance unbalance (pair to ground)		Capacitance unbalance (pair to ground)
Velocity ratio		approx. 78 %



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Test voltage (50 Hz, 1 min) core/core and core/screen		700 V eff.
Characteristic impedance		6 MHz : 110 Ω \pm 10%
Transfer impedance		up to 10 MHz \leq 10 m Ω /m up to 100 MHz \leq 100 m Ω /m

Electrical data

at 20°C

Frequency		Near-end crosstalk (cable length: 300 m)	Attenuation
[MHz]		[dB]	[dB/100m]
0.015		85	0.45
1.0		85	2.4
4.0		90	4.6
10.0		90	6.7
20.0		85	8.1

Technical data

Product code	Designation	Type	Brand name	Outer dia-meter	Weight	Standard-delivery length	Drum size	Gross weight	Copper content	Tensile force
				mm	kg/km	m	EW	kg		N
1001982 CT2757601	Li- 02YSCY	1x2x0.6L PiMF	AC10 SS 24/7 1P PVC/rubber	6.0 \pm 0.2	40	1000	050	40	17	60