



**Gotham Audio
Cable**

#10601

GAC-2 AES /EBU Digital High Flex Cable

Low loss flexible 110 OHM AES balanced, double shielded, digital and analog audio cable

Digital Audio signals in the AES/EBU format require an interconnect cable with the correct construction. In particular, varying cable geometry can cause unstable impedance, which results in digital errors (jitter). We have found the stability of the impedance to be the most critical specification for an AES/EBU cable and our solution is the "Star-Quad" twisting of the two conductors with two PE-strands to hold the conductors firmly in place, even when the cable is being bent.

GAC-2 AES is a low loss, flexible AES/EBU cable optimized for use with XLR-connectors and in installations with long cable runs (>100m). Its precision impedance + the large diameter high purity copper conductors and foamed PE dielectric minimize skin effect loss, signal reflections and data bit pulse rounding. To this low capacitance, extended bandwidth design, we add Gotham's unique Double Reussen Shielding. For 25+ years, GAC-2AES has been the perfect signal cable for AES/EBU Digital Audio without compromises in flexibility and ease of handling.

In recent years, Gotham digital cables have seen extensive use in analog audio applications. GAC-2AES has successfully transported analog signals over 450 feet in hostile environments. It is popular, in analog applications, with mastering engineers and home theater audiophiles for its exceptionally open and extended top end.



Construction:

1 = Jacket	PVC, Ø 6.0 mm, purple
2 = Viscose fiber coat	Counter wrapped to the shields
3 = Shield No. 1	Bare copper wires (0.10 mm) 100% coverage
4 = Shield No. 2	Bare copper wires (0.10 mm) 100% coverage
5 = Stabilization	PVC foil
6 = Cord (2)	'PE', quad twisted with two conductors
7 = Insulation	Scum 'PE', Ø 2.0 mm, white and red
8 = Conductor	Stranded tinned copper wires 7 x 0.25 mm (0.34 mm ²)

Technical Specifications:

Conductor resistance:		< 60 Ohm/km
Attenuation:	1 MHz:	2 dB/100m
Capacitance:	800 Hz:	< 44 nF /km
	cond/cond:	<105 nF /km
Insulation resistance:	cond/cond:	> 10 GOhm /km
Impedance	@ 1-6 MHz	110 Ohm
Test voltage:	cond/cond:	500 V eff.
	cond/shield:	2000 V eff.
Temperature range:	flexi-installed:	-5° to +50° C
	fix-installed:	-30°to +70° C

Part #	Type	O.D.	Color	Spool Size	Wt./Spool	Case Unit
10601	GAC2AES/EBU	6.0 mm	Purple	200 m	10.4 kg	2 x 200m

Gotham Audio Cable is distributed in the USA and Canada by:

Gotham Audio LLC

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