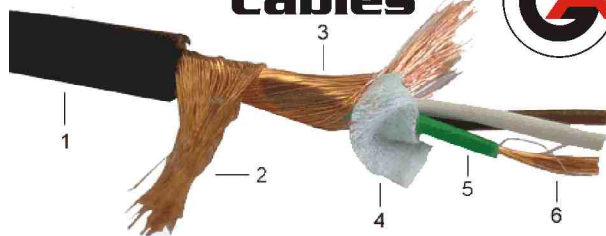


Microphone Cables



audio

GAC-3



Why three conductors for an audio signal? Here are some answers:

Grounding/shielding: With the third conductor put to ground, together with the two shields, we have increased RF-rejection to 115dB (20dB better than standard) at 25 kHz. This fact has also been conformed at the AES-paper held by Mr Neil A. Muncy ("Noise Susceptibility in Analog + Digital Signal Processing Systems") in November 1994. The GAC-3 was named the best performing microphone cable available.

Round Construction: 3-conductor constructions are round constructions, and since the cable has the freedom to move in all directions, especially on the strain relief of a connector, the cable will survive more movement cycles.

Phantom Power: The 3rd conductor can be wired as a drain wire for a reliable connection of phantom power to the microphone without affecting the shield.

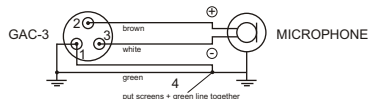
Each of the three conductors consists of 96 (!!) strands of 0.05mm copper wires being the finest stranding for audio cables available which gives you improved flexibility, better signal transport and longer lifetime (moving cycles). (Heavy duty version with 5.8mm Ø also available).

1	Jacket	PVC, ø 5.0 mm (10701 - 10702) PVC, ø 5.8 mm (10801 - 10899)
2	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
4	Viscose fiber coat	Counter wrapped to the twisted triple
5	Insulation (cond.)	PVC, ø 1.20 mm, white, brown and green, twisted triple
6	Conductor	Stranded bare OF copper wires, 96x0.05 mm (0.20 mm ²)

Conductor resistance	< 95 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 150 nF /km
Capacitance cond /shield	< 240 nF /km
Characteristic impedance at 10 kHz	150 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Operating voltage	low voltage
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Microphone wiring diagram (Quad wiring)

GAC-3	XLR-Connector
1 = green	pin 1
2 = brown	pin 2
3 = white	pin 3
4 = screen	pin 1



Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10701	GAC-3	5	grey	100 m	4.1 kg	4 x 100 m
10702	GAC-3	5	black	100 m	4.1 kg	4 x 100 m
10801	GAC-3	5.8	black	100 m	5.1 kg	4 x 100 m
10899	GAC-3	5.8	brown	250 m	12.7 kg	2 x250 m

other colours available!

Contact www.gotham.ch