
US English
www.gotham.ch

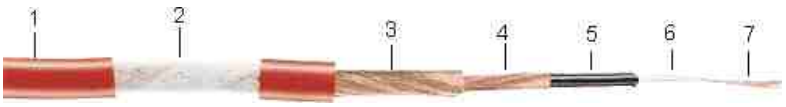
Index

Welcome to the World of Gotham Audio Cables

Lewis E. Frisch
Chief Operating Officer Gotham Audio LLC

audio

GAC-1



Two major categories of noise affect all audio cables: electrical interference and microphonics. Unbalanced single core audio cables are much more sensitive to electrical interference than balanced cables which, because of their twisted pair configuration, have the ability to mutually cancel EMI.

Microphonic noise is caused by a static charge generated when the conductor is rubbed against its insulation. This occurs to some degree whenever the cable is moved. The microphonic effect is evident by a clicking noise in the system, usually occurring when the cable is handled or moved. Gotham GAC-1 unbalanced cable has been engineered to minimize these effects.

1	Jacket	PVC, ø 0.21 in
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Layer	PVC, conductive
6	Insulation	PE, ø 0.05 in
7	Conductor	Stranded bare copper wires, 48x41 AWG (24 AWG)

Conductor resitance	< 30.5 Ohm /1000 ft
Shielding resistance	< 8.5 Ohm /1000 ft
Capacitance	< 44.5 nF /1000 ft
Test voltage	1000 V eff. (2 minutes)
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10001	GAC-1	0.21	red	328 ft	9.1 lbs	4 x 328 ft
10004	GAC-1	0.21	blue	328 ft	9.1 lbs	4 x 328 ft
10005	GAC-1	0.21	yellow	328 ft	9.1 lbs	4 x 328 ft
10008	GAC-1	0.21	black	328 ft	9.1 lbs	4 x 328 ft

GAC-2/1

Professional installation cable with small diameter, PE-insulation for low capacity. Ideal for fixed installations and rack-wirings. The same construction is used as single element on our range of analog multipair cables.

Construction

1	Jacket	PVC, ø 0.13 in, grey
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Insulation	PE, ø 0.04 in
5	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance at 800 Hz cond /cond	< 18.9 nF /1000 ft
Capacitance at 800 Hz cond /shield	< 36.3 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10301	GAC-2/1	0.13	grey	984 ft	13.9 lbs	4 x 984 ft
10302	GAC-2/1	0.13	grey	2624 ft	37.6 lbs	2 x 2624 ft

audio

GAC-2/foil

Foil shielded installation cable using 7 x 0.20 mm tinned wires for IDT. Designed for wiring balanced audio signals in a metal environment. Aluminium foil is melt with the PVC-jacket and will come off automatically when the PVC-jacket is removed.

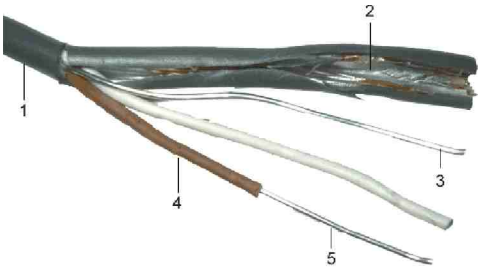
The twisting of the each 7 strands is so tight that once peeling the insulation of, the strands do not come apart and the cable can be installed without additional handling.

1	Jacket	PVC, ø 0.12 in, black
2	Shield	Aluminium-Polyester foil
3	Drain wire	Stranded tinned copper wires, 7x32 AWG (24 AWG)
4	Insulation (cond.)	PVC, ø 0.04 in, twisted, black and red conductors
5	Conductor	Stranded tinned copper wires, 7x32 AWG (24 AWG)

Conductor resitance	< 24.4 Ohm /1000 ft
Shielding resistance	< 19.8 Ohm /1000 ft
Capacitance cond /cond	< 22.8 nF /1000 ft
Capacitance cond /shield	< 42.7 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	1500 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10201	GAC-2/foil	0.12	black	2624 ft	36 lbs	2 x 2624 ft
10202	GAC-2/foil	0.12	black	984 ft	11.3 lbs	4 x 984 ft

GAC-2/mini



audio

Small size foil shielded installation cable using solid wires. Designed for wiring balanced audio signals in a metal environment.

Aluminium foil is melt with the PVC-jacket and will come off automatically.

Construction

1	Jacket	PVC, ø 0.09 in
2	Shield	Aluminium-Polyester foil
3	Drain wire	(to shielding) tinned copper wire, 27 AWG (27 AWG)
4	Insulation	PVC, ø 0.028 in, twisted, white and brown
5	Conductor	Solid tinned copper wire, 27 AWG (27 AWG)

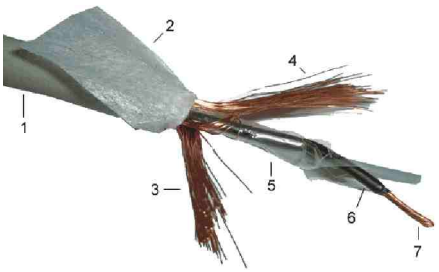
Technical Specifications

Conductor resistance	< 50.3 Ohm /1000 ft
Capacitance cond /cond	< 40.5 nF /1000 ft
Capacitance cond /shield	< 73.2 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	500 V eff.
Operating voltage	low voltage
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10101	GAC-2/mini	0.09	red	1640 ft	9.3 lbs	4 x 1640 ft
10102	GAC-2/mini	0.09	grey	1640 ft	9.3 lbs	4 x 1640 ft

audio



GAC-2111

Rebuild of the legendary EMT-2111 Audio cable with ultrastrong PUR-jacket.

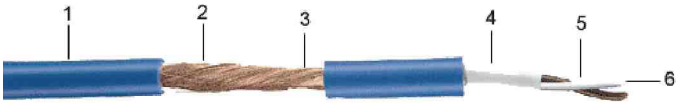
Ideal for outdoor use and installations where mechanical strength of the cable is recommended.

1	Jacket	PUR, ø 0.18 in, grey (light)
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Separation	PE-coated
6	Insulation	PE, ø 0.05 in, conductors red and white wrapped
7	Conductor	Stranded bare copper wires, 28x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance at 800 Hz, cond /cond	< 27.4 nF /1000 ft
Capacitance at 800 Hz, cond /shield	< 45.7 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10550	GAC-2111	0.18	grey	492 ft	10.2 lbs	4 x 492 ft

GAC-2



Ultraflexible professional audio cable for microphones. 'Double Reussen shield', velvet matte non-light reflecting PVC-jacket material.

A unique separation tube between conductors and shields provides increased stability, flexibility and protection of the conductors. Ideal cable for accomodation of XLR-connectors (Deltron or Switchcraft!).

Construction

1	Jacket	PVC, ø 0.21 in
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Separation	PVC, ø 0.12 in, white tube
5	Insulation	PVC, ø 0.05 in, white and brown, wrapped, twisted pair
6	Conductor	Stranded bare copper wires, 48x41 AWG (24 AWG)

Technical Specifications

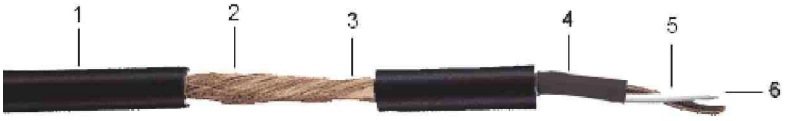
Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 38.1 nF /1000 ft
Capacitance cond /shield	< 57.6 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10401	GAC-2	0.21	red	328 ft	10.4 lbs	4 x 328 ft
10402	GAC-2	0.21	grey	328 ft	10.4 lbs	4 x 328 ft
10403	GAC-2	0.21	pink	328 ft	10.4 lbs	4 x 328 ft
10404	GAC-2	0.21	blue	328 ft	10.4 lbs	4 x 328 ft
10405	GAC-2	0.21	black	328 ft	10.4 lbs	4 x 328 ft
10406	GAC-2	0.21	yellow	328 ft	10.4 lbs	4 x 328 ft
10407	GAC-2	0.21	mint	328 ft	10.4 lbs	4 x 328 ft
10408	GAC-2	0.21	black	984 ft	29.8 lbs	2 x 984 ft
10409	GAC-2	0.21	black	3280 ft	85.3 lbs	1 x 3280 ft
10412	GAC-2	0.21	green	328 ft	10.4 lbs	4 x 328 ft

audio

GAC-2 V1 low noise



Variation to our most popular GAC-2 microphone cable with the same construction as GAC-2 but the PVC-separation (4) has been made out of conductive material to improve the mechanical/noise performance.

To improve the capacitance of the cable we have chosen to use PE as isolation material. This is the perfect 2-wire microphone cable without compromise.

1	Jacket	PVC, ø 0.21 in, black
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Noise cancellation	PVC, ø 0.12 in, conductive, black tube
5	Insulation	PE, ø 0.05 in, white and brown, wrapped, twisted pair
6	Conductor	Stranded bare copper wires, 48x41 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 21.3 nF /1000 ft
Capacitance cond /shield	< 35.9 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10421	GAC-2 V1	0.21	black	328 ft	10.4 lbs	4 x 328 ft

GAC-2 PUR

Special version of our popular double shielded microphone cable GAC-2, with an additional polyurethan (PUR) jacket.

This is the most reliable and strongest microphone cable available in the market.

Construction

1	Jacket	PUR, ø 0.21 in, blue
2	Separation	PVC, ø 0.17 in, white
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Separation	PVC, ø 0.12 in, white
6	Insulation	PVC, ø 0.05 in, white and brown, wrapped
7	Conductor	Stranded bare copper wires, 48x41 AWG (24AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 26.2 nF /1000 ft
Capacitance cond /shield	< 44.5 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Operating voltage	low voltage
Temperature range	- 40° to + 80° C
Melting-point	+160° to +195° C (Outside-jacket PUR)

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10502	GAC-2 PUR	0.21	blue	328 ft	10.4 lbs	4 x 328 ft

audio

GAC-2/1 CE halogenfree

Professional halogen-free installation cable like GAC-2/1 with PE-insulation for low capacity. Ideal for fixed installations and rack-wirings.

The non corrosive material chosen, allows this cable to be used for fixed installations in public buildings and in governmental installations where halogen free products are demanded.

The jacket is made of flame retarded polyolefine material.

FRNC*

1	Jacket	Polyolefine, ø 0.14 in max., grey (dark)
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Insulation	PE, ø 0.04 in, conductors red and white wrapped
5	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

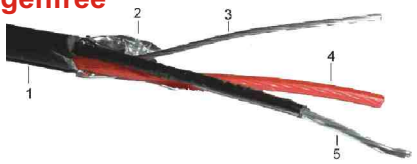
Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 27.4 nF /1000 ft
Capacitance cond /shield	< 45.7 nF /1000 ft
Characteristic impedance at 20 kHz	145 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Operating voltage	low voltage
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10306	GAC-2/1 CE	0.14	grey	984 ft	7.9 lbs	4 x 984 ft

* **F**lame **R**etarded **N**on **C**orrosive = Flame retarded per IEC-332-1 test standard

audio

GAC-2/foil CE halogenfree



Foil shielded halogen free installation cable using 7 x 0.20 mm tinned wires for IDT. Designed for wiring balanced audio signals in a metal environment.

Aluminium foil is melt with the jacket and will come off automatically. The twisting of the each 7 strands is so tight that once peeling the insulation of the strands do not come apart and the cable can be installed without additional handling.

The non corrosive material chosen, allows this cable to be used for fixed installations in public buildings and in governmental installations where halogen free products are demanded. The jacket is made of flame retarded polyolefine material.

FRNC*

Construction

1	Jacket	Polyolefin, ø 0.12 in, black
2	Shield	Aluminium-Polyester foil
3	Drain wire	Stranded tinned copper wires, 7x32 AWG (24AWG)
4	Insulation	PE, ø 0.04 in twisted, black and red conductors
5	Conductor	Stranded tinned copper wires, 7x32 AWG (24AWG)

Technical Specifications

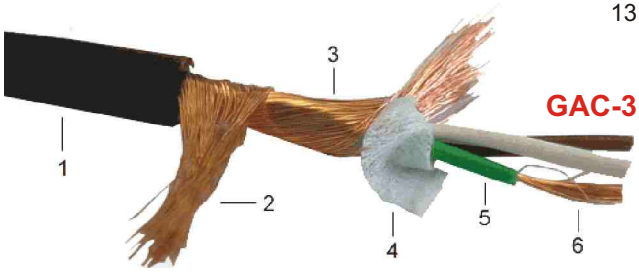
Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 19.8 Ohm /1000 ft
Capacitance cond /cond	< 25 nF /1000 ft
Capacitance cond /shield	< 47 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	1500 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10205	GAC-2/foil CE	0.12	black	2624 ft	36.5 lbs	2 x 2624 ft
10206	GAC-2/foil CE	0.12	black	984 ft	11.3 lbs	4 x 984 ft

* Flame Retarded Non Corrosive = Flame retarded per IEC-332-1 test standard

audio



GAC-3

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

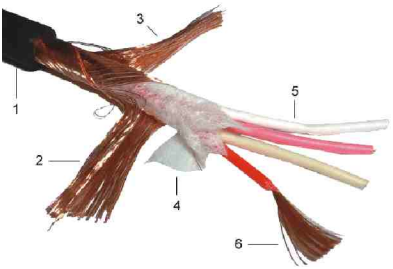
Grounding/shielding: With the third conductor put to ground, together with the two shields, we have increased RF-rejection to 115dB (20dB better than standard) at 25 kHz. This fact has also been conformed at the AES-paper held by Mr Neil A. Muncy ("Noise Susceptibility in Analog + Digital Signal Processing 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 0.19 in (10701 - 10716) PVC, ø 0.23 in (10801 - 10803)
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Viscose fiber coat	Counter wrapped to the twisted triple
5	Insulation (cond.)	PVC, ø 0.05 in, white, brwon and green, twisted triple
6	Conductor	Stranded bare copper wires, 96x44 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 45.7 nF /1000 ft
Capacitance cond /shield	< 73.2 nF /1000 ft
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

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10701	GAC-3	0.19	grey	328 ft	9.1 lbs	4 x 328 ft
10702	GAC-3	0.19	black	328 ft	9.1 lbs	4 x 328 ft
10801	GAC-3	0.23	black	328 ft	11.3 lbs	4 x 328 ft
10899	GAC-3	0.23	brown	820 ft	25.2 lbs	2 x 820 ft

GAC-4/1



audio

Gotham "Star-Quad" cables are the most advanced microphone cables presently available. We have combined an ultraflexible PVC-jacket, low capacitive PE insulation, "double Reussen shielding" and quad (4-conductor) construction for a truly professional cable at an affordable price.

The "Star-Quad" concept is known and recommended where the RF-rejection is the most important factor and where very long cable runs are needed. As we use each 2 conductors for low and high signal, we reduce the signal loss by 50% and due to the offset of the incoming RF-signal by the way the 4 conductors are twisted, the RF-rejection is over 130dB (25 kHz).

The exclusive double shielding does its part of these features as well.

Construction

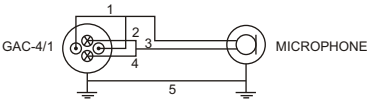
1	Jacket	PVC, ø 0.21 in, velvet black (ultrasoft)
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Viscose fiber coat	Counter wrapped to the quad twisted conductors
5	Insulation (cond.)	PE, ø 0.05 in, white, ivory, pink and red, quad-twisted
6	Conductor	Stranded bare copper wires, 96x44 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	< 16.8 nF /1000 ft
Capacitance cond /shield	< 31.4 nF /1000 ft
Noise attenuation	130 dB (see wiring)
Characteristic impedance	180 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)

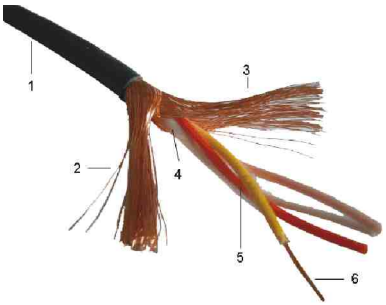
This cable	XLR-Connector
1 = red	pin 2
2 = pink	pin 2
3 = white	pin 3
4 = ivory	pin 3
5 = screening 1+2	pin 1



Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
11001	GAC-4/1	0.21	black	328 ft	10.2 lbs	4 x 328 ft
11002	GAC-4/1	0.21	black	984 ft	29.6 lbs	2 x 984 ft

audio



GAC-4/1 mini

Star-Quad installation cable for use in extremely electrical noisy environments.

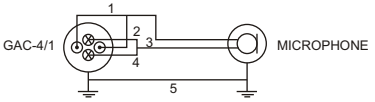
The use of each two conductors for high and low signal will half the signal loss and increase the Rf-rejection to 130dB in combination to our unique "double Reussen shield".

1	Jacket	PVC, ø 0.13 in, grey (dark)
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Separation	PE, foil
5	Insulation	PE, ø 0.04 in, 4 conductors, red, white, pink and yellow, quad twisted,
6	Conductor	Stranded bare copper wires, 18x38 AWG (26 AWG)

Conductor resistance	<= 39 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance cond /cond	<= 15.8 nF /1000 ft
Capacitance cond /shield	<= 30.1 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

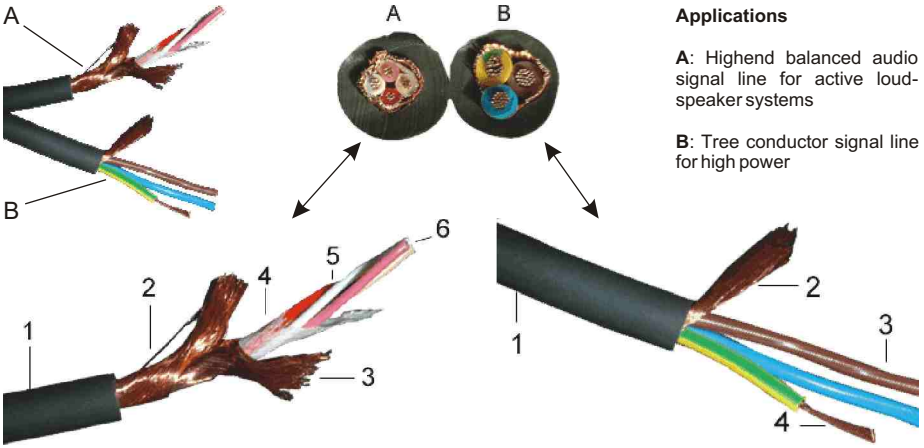
Microphone wiring diagram (Quad wiring)

This cable	XLR-Connector
1 = red	pin 2
2 = pink	pin 2
3 = white	pin 3
4 = yellow	pin 3
5 = screening 1+2	pin 1



Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10901	GAC-4/1 mini	0.13	grey	820 ft	14.1 lbs	4 x 820 ft

GAC-4/1 double shielded and 3x0.75 AWG single shielded



Applications

A: Highend balanced audio signal line for active loud-speaker systems

B: Tree conductor signal line for high power

Construction

1	Jacket	PVC, ø 0.26 in, grey (dark)	**A, B**
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage	**A**
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage	**A**
4	Viscose fiber coat	Counter wrapped to the quad conductors	**A**
5	Insulation	PE, ø 0.05 in, white, red, pink and ivory, quad-twisted	**A**
6	Conductor	Stranded bare copper wires, 7x0.20 AWG (0.22AWG)	**A**
2	Shield	Bare copper wires (38 AWG), 100% coverage	**B**
3	Insulation	PE, ø 0.12 in, high voltage tested	**B**
4	Conductor	Stranded bare copper wires, 24x32 AWG (19AWG)	**B**

Technical Specifications

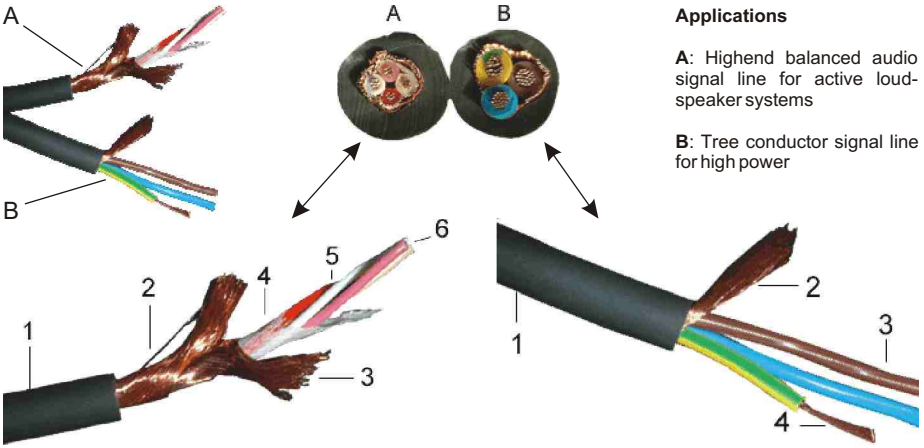
Conductor resistance	< 24.4 Ohm /1000 ft	**A**
Shielding resistance	< 6.1 Ohm /1000 ft	**A**
Capacitance cond /cond	< 16.8 nF /1000 ft	**A**
Capacitance cond /shield	< 32 nF /1000 ft	**A**
Characteristic impedance at 20 kHz	80 Ohm	**A**
Test voltage cond /cond	500 V eff.	**A**
Test voltage cond /shield	2000 V eff.	**A**
Conductor resistance	< 9.1 Ohm /1000 ft	**B**
Shielding resistance	< 9.1 Ohm /1000 ft	**B**
Test voltage cond /cond	500 V eff.	**B**
Test voltage cond /shield	5000 V eff.	**B**

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
11510	Hybrid Cable	0.26x0.52	grey	328 ft	30.9 lbs	2 x 328 ft

audio

GAC-4/1 double shielded and 3x1.00 AWG single shielded



Applications

A: Highend balanced audio signal line for active loud-speaker systems

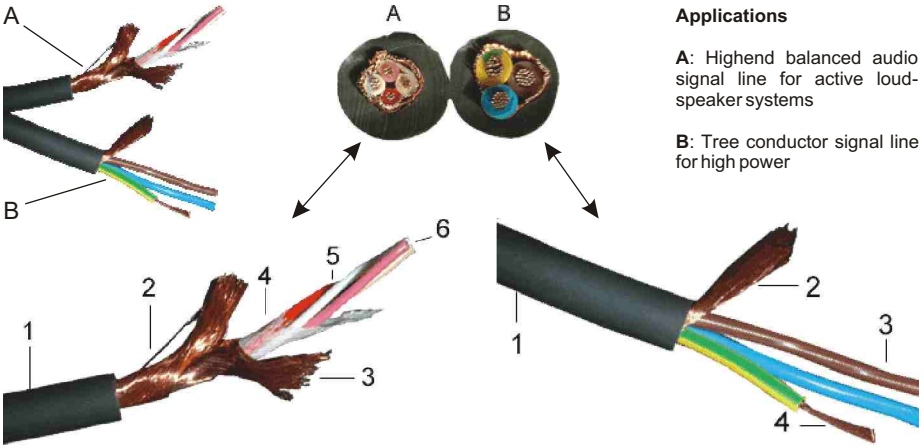
B: Tree conductor signal line for high power

1	Jacket	PVC, ø 0.28 in, grey (dark)	**A, B**
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage	**A**
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage	**A**
4	Viscose fiber coat	Counter wrapped to the quad conductors	**A**
5	Insulation	PE, ø 0.05 in, white, red, pink and ivory, quad-twisted	**A**
6	Conductor	Stranded bare copper wires, 7x32 AWG (23 AWG)	**A**
2	Shield	Bare copper wires (38 AWG), 100% coverage	**B**
3	Insulation	PE, ø 0.12 in, high voltage tested	**B**
4	Conductor	Stranded bare copper wires, 32x32 AWG (17 AWG)	**B**

Conductor resistance	< 24.4 Ohm /1000 ft	**A**
Shielding resistance	< 6.1 Ohm /1000 ft	**A**
Capacitance cond /cond	< 16.8 nF /1000 ft	**A**
Capacitance cond /shield	< 32 nF /1000 ft	**A**
Characteristic impedance at 20 kHz	80 Ohm	**A**
Test voltage cond /cond	500 V eff.	**A**
Test voltage cond /shield	2000 V eff.	**A**
Temperature range (flex)	- 5° to +50° C	**A**
Temperature range (fix)	-30° to +70° C	**A**
Conductor resistance	< 6.7 Ohm /1000 ft	**B**
Shielding resistance	< 9.1 Ohm /1000 ft	**B**
Test voltage cond /cond	500 V eff.	**B**
Test voltage cond /shield	5000 V eff.	**B**

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
11520	Hybrid Cable	0.28x0.57	grey	656 ft	73.8 lbs	1 x 656 ft

GAC-4/1 double shielded and 3x1.50 AWG single shielded



Applications

A: Highend balanced audio signal line for active loud-speaker systems

B: Tree conductor signal line for high power

Construction

1	Jacket	PVC, ø 0.31 in, grey (dark)	**A, B**
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage	**A**
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage	**A**
4	Viscose fiber coat	Counter wrapped to the quad conductors	**A**
5	Insulation	PE, ø 0.05 in, white, red, pink and ivory, quad-twisted	**A**
6	Conductor	Stranded bare copper wires, 7x32 AWG (24 AWG)	**A**
2	Shield	Bare copper wires (38 AWG), 100% coverage	**B**
3	Insulation	PE, ø 0.12 in, high voltage tested	**B**
4	Conductor	Stranded bare copper wires, 30x31 AWG (16 AWG)	**B**

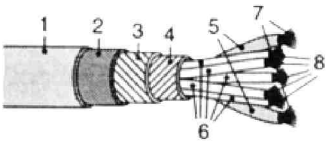
Technical Specifications

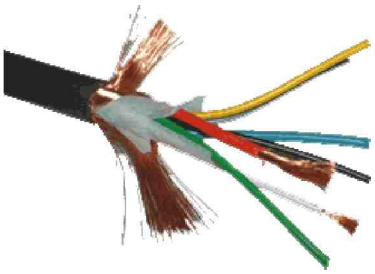
Conductor resistance	< 24.4 Ohm /1000 ft	**A**
Shielding resistance	< 6.1 Ohm /1000 ft	**A**
Capacitance cond /cond	< 16.8 nF /1000 ft	**A**
Capacitance cond /shield	< 32 nF /1000 ft	**A**
Characteristic impedance at 20 kHz	80 Ohm	**A**
Test voltage cond /cond	500 V eff.	**A**
Test voltage cond /shield	2000 V eff.	**A**
Temperature range (flex)	- 5° to +50° C	**A**
Temperature range (fix)	-30° to +70° C	**A**
Conductor resistance	< 3.9 Ohm /1000 ft	**B**
Shielding resistance	< 9.1 Ohm /1000 ft	**B**
Test voltage cond /cond	500 V eff.	**B**
Test voltage cond /shield	5000 V eff.	**B**

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
11530	Hybrid Cable	0.32x0.64	grey	984 ft	121.6 lbs	1 x 984 ft

audio





GAC-7 Tube

Specially designed microphone cable for tube microphones (7 conductors!).

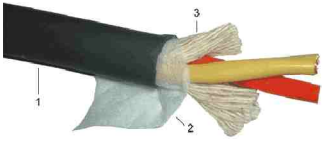
Ultra-flexible design and best possible electrical values for an affordable price.

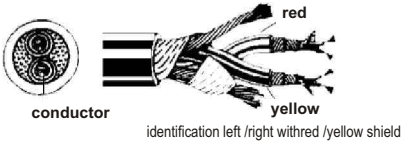
1	Jacket	PVC, ø 0.24 in, grey
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Insulation A	PE, ø 0.06 in
6	Insulation B	PE, ø 0.04 in
7	Conductor A	Stranded bare copper wires, 252x44 AWG (20 AWG)
8	Conductor B	Stranded bare copper wires, 72x44 AWG (26 AWG)

Conductor resistance, cond. A	<= 9.1 Ohm /1000 ft
Conductor resistance, cond. B	<= 33.5 Ohm /1000 ft
Insulation resistance	< 4.6 Ohm /1000 ft
Capacitance cond /cond	<= 27.4 nF /1000 ft
Capacitance cond /shield	<= 48.8 nF /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
20101	GAC-7 Tube	0.24	grey	656 ft	27.6 lbs	2 x 656 ft

GAC-2pair round





identification left /right withred /yellow shield

Each pair of conductors is protected by our exclusive "double Reussen shield". Two layers of copper wires with each 100% coverage secure minimal crosstalk, maximal RF-rejection and excellent flexibility of the whole construction. With this concept of shielding and protection, the cable is the best possible consens of reliability, flexibility and signal protection. Gotham multipair cables come in various combinations from 2pair up to 34pair, per meter, in cut length or standard spools. All multipaircables are numbered each meter for easy length termination.

Construction of one pair:

Construction

1	Jacket	PVC, ø 0.29 in, grey (dark)
2	Viscose fiber coat	Counter wrapped to the twisted pair
3	Filling material	Fabric file
4	Jacket	ø 0.13 in, red or yellow
5	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
6	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
7	Insulation (cond.)	PVC, ø 0.04 in, conductors red and white wrapped
6	Conductor	Stranded bare copper wires (26 AWG)

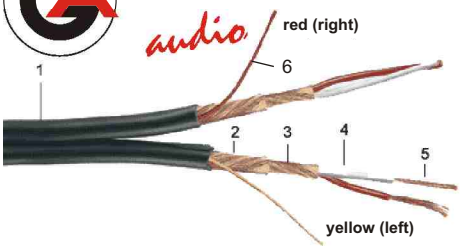
Technical Specifications

Conductor resistance	< 33.5 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance at 800 Hz, cond /cond	< 27.4 nF /1000 ft
Capacitance at 800 Hz, cond /shield	< 45.7 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
13001	GAC-2pair round	0.29	grey	492 ft	21.7 lbs	2 x 492 ft

GAC-2pair flat



Each pair of conductors is protected by our exclusive "double Reussen shield". Two layers of copper wires with each 100% coverage secure minimal crosstalk, maximal RF-rejection and excellent flexibility of the whole construction. With this concept of shielding and protection, the cable is the best possible consens of reliability, flexibility and signal protection. Gotham multipair cables come in various combinations from 2pair up to 34pair, per meter, in cut length or standard spools. All multipaircables are numbered each meter for easy length termination.

Construction of one pair:

1	Jacket	ø 0.16 in, grey (dark)
2	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
3	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
4	Insulation (cond.)	PVC, ø 0.04 in, conductors red and white wrapped
5	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)
6	Fabric strings	Side identification red /yellow

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance at 800 Hz, cond /cond	< 27.4 nF /1000 ft
Capacitance at 800 Hz, cond /shield	< 45.7 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
12001	GAC-2pair flat	0.16x0.32	grey	656 ft	26.3 lbs	2 x 656 ft

GAC Multicore Cable

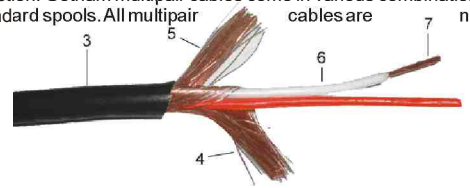
Shown

GAC-24pair

F

Each pair of conductors is protected by our exclusive "double Reussen shield". Two layers of copper wires with each 100% coverage secure minimal crosstalk, maximal RF-rejection and excellent flexibility of the whole construction. With this concept of shielding and protection, the cable is the best possible consens of reliability, flexibility and signal protection. Gotham multipair cables come in various combinations from 2pair up to 34pair, per meter, in cutlength orstandard spools. All multipair cables are numbered each meterfor easy length termination.

Construction of one pair:



A

1	Jacket	PVC, grey (dark)
2	Viscose fiber coat	Counter wrapped
3	Jacket	black, ø 0.13 in (numbered)
4	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
5	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
6	Insulation (cond.)	PE, ø 0.04 in, conductors red & white wrapped
7	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

B

C

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 6.1 Ohm /1000 ft
Capacitance at 800 Hz, cond /cond	< 27.4 nF /1000 ft
Capacitance at 800 Hz, cond /shield	< 45.7 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

D

E

G

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Picture
[1]	14001	GAC-4pair	0.43	grey	984 ft	110.5 lbs	A
[1]	14003	GAC-8pair	0.55	grey	656 ft	139.5 lbs	B
[1]	14004	GAC-10pair	0.67	grey	656 ft	151.6 lbs	C
[1]	14005	GAC-12pair	0.71	grey	656 ft	181.2 lbs	D
[1]	14006	GAC-16pair	0.79	grey	492 ft	172.4 lbs	E
[1]	14009	GAC-24pair	0.95	grey	328 ft	171.3 lbs	F
[1]	14032	GAC-32pair	1.08	grey	328 ft	211.5 lbs	G

DGS audio

DGS-1

Industrial standard high quality unbalanced audio cable with noise protecting conductive plastic layer (3) to eliminate microphonics caused my mechanical movement of the cable.

Single Reussen shield giving accurate shielding for standard usage. Refer to page 3 and consider our double-shielded cable GAC-1 for same application and usages.

1	Jacket	PVC, ø 0.24 in, max.
2	Shield	Copper wires (38 AWG), 100% coverage
3	Layer	PVC, conductive
4	Insulation	PE, ø 0.06 in
5	Conductor	Stranded bare copper wires, 7x32 AWG (24 AWG)

Conductor resistance	< 25.9 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Insulation resistance	> 0.3 GOhm /1000 ft
Capacitance	< 33.8 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	1000 V eff.

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
60001	DGS-1	0.24	red	328 ft	9.9 lbs	4 x 328 ft
60004	DGS-1	0.24	blue	328 ft	9.9 lbs	4 x 328 ft
60005	DGS-1	0.24	yellow	328 ft	9.9 lbs	4 x 328 ft
60008	DGS-1	0.24	black	328 ft	9.9 lbs	4 x 328 ft

DGS-2

Balanced microphone cable with single shield, high flexible, velvet faint PVC-Jacket.

Construction

1	Jacket	PVC, ø 0.24 in, max.
2	Shield	Copper wires (38 AWG), 100% coverage
3	Filling material	Viscose
4	Insulation	PE, ø 0.06 in
5	Conductor	Stranded bare copper wires, 28x38 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 25.9 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Insulation resistance	> 61 MOhm /1000 ft
Capacitance cond /cond	< 18.9 nF /1000 ft
Capacitance cond /shield	< 35.4 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	1000 V eff.

Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
70101	DGS-2	0.24	red	328 ft	9.9 lbs	4 x 328 ft
70104	DGS-2	0.24	blue	328 ft	9.9 lbs	4 x 328 ft
70106	DGS-2	0.24	yellow	328 ft	9.9 lbs	4 x 328 ft
70108	DGS-2	0.24	black	328 ft	9.9 lbs	4 x 328 ft

DGS-2/1

Shielded audio cable optimized for installation purposes and interconnections in racks.

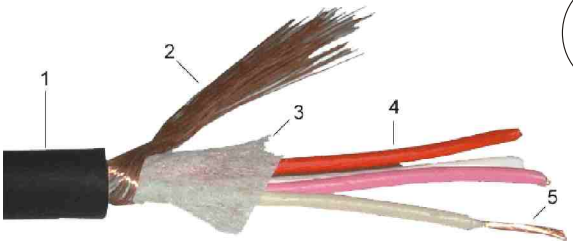
Low capacitance and small diameter. Same element is used in the DGS-multipair cables.

1	Jacket	PVC, ø 0.15 in, max.
2	Shield	64 bare copper wires (38 AWG), 100% coverage
3	Insulation	PE, ø 0.04 in, conductors red and white wrapped
4	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
40301	DGS-2/1	0.15	black	984 ft	11.5 lbs	4 x 984 ft

DGS-4/1



DGS "Star-Quad" cables are the most advanced single shielded microphone cables presently available. We have combined an ultraflexible PVC-jacket, low capacitive PE insulation, "Reussen shielding" and quad (4-conductor) construction for a truly professional cable at an affordable price.

The "Star-Quad" concept is known and recommended where the RF-rejection is the most important factor and where very long cable runs are needed. As we use each 2 conductors for low and high signal, we reduce the signal loss by 50% and due to the offset of the incoming RF-signal by the way the 4 conductors are twisted, the RF-rejection is up to 130dB (25 kHz).

Construction

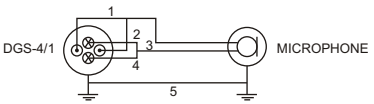
1	Jacket	PVC, ø 0.19 in, grey (dark)
2	Shield	Bare copper wires (38 AWG), 100% coverage
3	Viscose fiber coat	Counter wrapped to the quad twisted element
4	Insulation	PE, ø 0.05 in, white, ivory, pink and red, quad twisted
5	Conductor	Stranded bare copper wires, 7x32 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 25.3 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 12.2 nF /1000 ft
Capacitance cond /shield	< 30.1 nF /1000 ft
Side circuit capacitance	17 pF /ft
Side circuit capacitance	41 pF /ft
Noise attenuation	130 dB
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)

This cable	XLR-Connector
1 = red	pin 2
2 = pink	pin 2
3 = white	pin 3
4 = ivory	pin 3
5 = screening 1+2	pin 1



Ordering Data

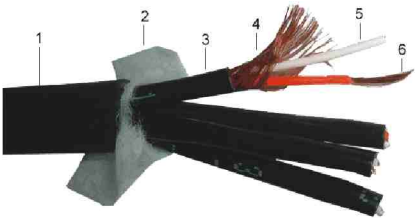
Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
41001	DGS-4/1	0.19	black	328 ft	9.9 lbs	4 x 328 ft

—

single shielded

DGS-4pair

Construction of Multipair



Shown

DGS-4pair

> individual jacket numbered 1-4 for ID

Each pair of conductors is protected by our exclusive "single Reussen shield". DGS multipair cables come in various combinations from 4pair up to 48pair, per meter, in cut length or standard spools.
All multipair cables are numbered each meter for easy length termination. Most flexible multipair cable in the industry.

DGS-4pair

Construction of one pair:

1	Jacket	PVC, black, ø 0.39 in, max.
2	Viscose fiber coat	Counter wrapped
3	Jacket	PVC black, ø 0.13 in (numbered)
4	Shield	64 bare copper wires (38 AWG), 100% coverage
5	Insulation	PE, ø 0.04 in, conductors red and white wrapped
6	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Operating voltage	low voltage

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool
[1]	34004	DGS-4pair	0.39	black	984 ft	88.4 lbs

DGS-8pair

Construction of Multipair

> individual jacket numbered
1-8 for ID

Shown

DGS-8pair

Construction of one pair:

Construction

1	Jacket	PVC, black, ø 0.51 in, max.
2	Viscose fiber coat	
3	Jacket	PVC black, ø 0.13 in (numbered)
4	Shield	64 bare coper wires (38 AWG), 100% coverage
5	Insulation	PE, ø 0.04 in, conductors red and white wrapped
6	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

[1] continuous metering indication prints on all multipair cables for easy length verification

Ordering Data

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool
[1]	34008	DGS-8pair	0.51	black	max. 656 ft	88.4 lbs

DGS-16pair

Shown

DGS-16pair

Construction of Multipair

> individual jacket numbered 1-16 for ID

Construction of one pair:

1	Jacket	PVC, black, ø 0.71 in, max.
2	Viscose fiber coat	Counter wrapped
3	Jacket	PVC black, ø 0.13 in (numbered)
4	Shield	64 bare copper wires (38 AWG), 100% coverage
5	Insulation	PE, ø 0.04 in, conductors red and white wrapped
6	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 24.4 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Operating voltage	low voltage

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool
[1]	34016	DGS-16pair	0.71	black	max. 492 ft	121.5 lbs

DGS-24pair

Construction of Multipair

Shown

DGS-24pair

> individual jacket numbered
1-24 for ID

Construction of one pair:

1	Jacket	PVC, black, ø 0.91 in, max.
2	Viscose fiber coat	
3	Jacket	PVC black, ø 0.13 in (numbered)
4	Shield	64 bare coper wires (38 AWG), 100% coverage
5	Insulation	PE, ø 0.04 AWG, conductors red and white wrapped
6	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool
[1]	34008	DGS-24pair	0.91	black	max. 328 ft	121.6 lbs

single shielded

DGS-48pair

Shown

DGS-48pair

Construction of Multipair

> individual jacket numbered 1-48 for ID

Construction of one pair:

1	Jacket	PVC, black, ø 1.18 in, max.
2	Viscose fiber coat	Counter wrapped
3	Jacket	PVC black, ø 0.13 in (numbered)
4	Shield	64 bare copper wires (38 AWG), 100% coverage
5	Insulation	PE, ø 0.04 in, conductors red and white wrapped
6	Conductor	Stranded bare copper wires, 25x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 12.2 Ohm /1000 ft
Capacitance cond /cond	< 24.4 nF /1000 ft
Capacitance cond /shield	< 36.9 nF /1000 ft
Characteristic impedance at 20 kHz	145 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

[1] continuous metering indication prints on all multipair cables for easy length verification

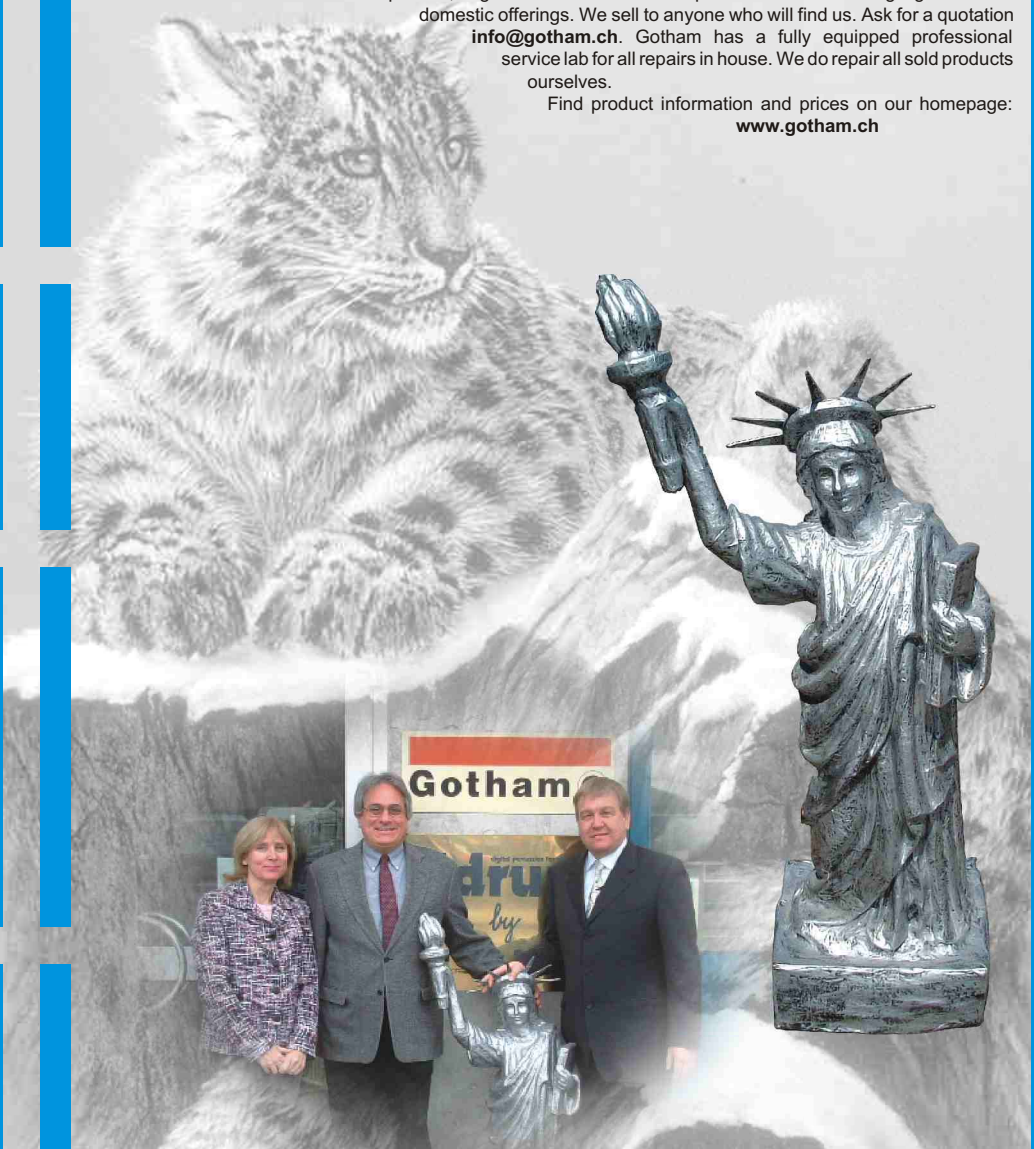
	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool
[1]	34048	DGS-48pair	1.18	black	max. 328 ft	203.3 lbs

Gotham Audio Dietikon - one step further ....

Gotham Ltd, with headquarter in Dietikon (near Zürich Airport), is featuring along with the full range of audio/video cables, also a complete range of professional audio products for Swiss domestic sales. Many vendors trust in Gotham expertise in professional audio and use Gotham as distributor for mainly the Swiss market.

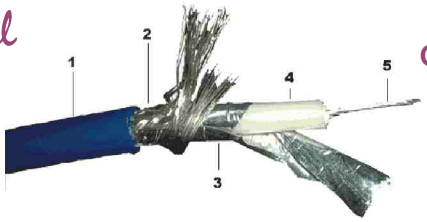
A fully equipped demo room with many products to be seen and purchased on site are available, even on Saturday (by appointments only). Hi class home cinema, active and passive monitor speakers and a wide range of microphones, digital effects and reverb processors are the highlights of our domestic offerings. We sell to anyone who will find us. Ask for a quotation **info@gotham.ch**. Gotham has a fully equipped professional service lab for all repairs in house. We do repair all sold products ourselves.

Find product information and prices on our homepage: **www.gotham.ch**



Gotham - Professional Audio Cables · *The European Choice in Professional Audio Wiring* · Gotham - Professional Audio Cables

digital



GAC-1 S/PDIF-Pro

Flexible digital audio cable for S/PDIF digital datas. Ideal cable to assemble with phono connectors (cinch). Worry-free transport of your digital data with the right constructed cable. Combination of braid shield and aluminium foil for best shielding.

Silver coated conductor and shield wires for best possible performance and to prevent from signal loss caused by the "skin effect".

SILVER

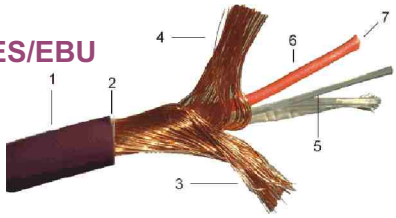
1	Jacket	PVC, ø 0.22 in, max., ultrablue
2	Shield No. 1	Braiding with silver coated copper wires (38 AWG)
3	Shield No. 2	Aluminium Polyester foil
4	Insulation	Foam skin PE, 7 AWG
5	Conductor	Silver coated copper wires, 7x30 AWG (22 AWG)

Conductor resistance	< 18.3 Ohm /1000 ft
Attenuation at 1 MHz	< 0.3 dB /100 ft
Attenuation at 6 MHz	< 0.8 dB /100 ft
Insulation resistance	> 3.1 GOhm /1000 ft
Capacitance	< 17.1 nF /1000 ft
Charact. impedance at 1-6 MHz	75 Ohms ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10070	GAC-1 S/PDIF-Pro	0.22	ultrablue	328 ft	9.9 lbs	4 x 328 ft

Digital installation cable with small diameter

GAC-2/mini AES/EBU



digital

Ultraflexible installation cable for AES/EBU digital audio data. Highly stabilized 110 Ohm impedance guaranteed with our unique Star-Quad "Twinax"-construction. Compact size so that cable will easily fit in almost any connector but still perform excellent electrical specifications.

This cable is used as an element in in our **GAC-4pair mini AES/EBU**, **GAC-8pair mini AES/EBU** and **GAC-12pair mini AES/EBU** digital multipair cables.

Construction

1	Jacket	PVC, ø 0.13 in, purple
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Cord (2)	“PE”, quad twisted with two conductors
6	Insulation	Scum PE (foam skin), ø 0.04 in, white and red
7	Conductor	Stranded tinned copper wires, 19x38 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Attenuation at 1 MHz	9.2 dB /1000 ft
Shielding resistance	< 10.7 Ohm /1000 ft
Impedance	110 Ohm ±2%
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance	< 14.6 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

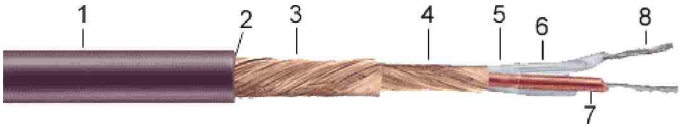
Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10620	GAC-2/mini AES/EBU	0.13	purple	656 ft	11.3 lbs	4 x 656 ft

the future is digital
The European Choice in Professional Audio Wiring
the future is digital

digital

GAC-2 AES/EBU



Digital Audio signals in the AES/EBU format require an interconnect cable with the correct construction. A mismatch of the impedance, a too small conductor diameter (skin-effect) or an impedance change in a cable run will cause digital errors (jitter) which are causing costly problems on your digital recording.

We have found the stability of the impedance the most critical point on an AES/EBU cable and our solution is the "Star-Quad" twisting of the two conductors with two PE-strands to hold the conductors always in place, even when the cable is being bent. Together with our unique "double Reussen shield" we have the perfect signal cable for AES/EBU Digital Audio without compromises in regard to flexibility and handling.

The GAC-2 AES is a low loss, flexible AES/EBU cable optimized for use with XLR-connectors or installations with long cable runs (>100m).

1	Jacket	PVC, ø 0.24 in, purple
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Stabilisation	PVC foil
6	Cord (2)	“PE”, quad twisted with two conductors
7	Insulation	Scum-PE, ø 0.08 in, white and red
8	Conductor	Stranded tinned copper wires, 7x30 AWG (22AWG)

Conductor resistance	< 18.3 Ohm /1000 ft
Attenuation at 1 MHz	6.1 dB /1000 ft
Capacitance at 800 Hz	< 13.4 nF /1000 ft
Capacitance cond /cond	< 32 nF /1000 ft
Insulation resistance	> 3.1 GOhm /1000 ft
Impedance at 1-6 MHz	110 Ohm ±2%
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10601	GAC-2 AES	0.24	purple	656 ft	22.9 lbs	2 x 656 ft

Digital DMX cable

GAC-2/DMX

Ultraflexible installation cable for DMX digital data. Highly stabilized 110 Ohm impedance guaranteed with our unique Star-Quad "Twinax"-construction.

Compact size so that cable will easily fit in almost any connector but still perform excellent electrical specifications.

Similar cable construction is used as an element in in our **GAC-4pair mini AES/EBU**, **GAC-8pair mini AES/EBU** and **GAC-12pair mini AES/EBU** digital multipair cables.

All AES Cables are compatible with DMX Datastream.

Construction

1	Jacket	PVC, ø 0.13 in, black
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare copper wires (38 AWG), 100% coverage
4	Shield No. 2	Bare copper wires (38 AWG), 100% coverage
5	Cord (2)	“PE”, quad twisted with two conductors
6	Insulation	Scum “PE” (foam skin), ø 0.04 in, white and red
7	Conductor	Stranded tinnes copper wires, 19x38 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Shielding resistance	< 10.7 Ohm /1000 ft
Attenuation at 1 MHz	< 9.2 dB /1000 ft
Impedance	110 Ohm ±2%
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance	< 15.2 nF /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

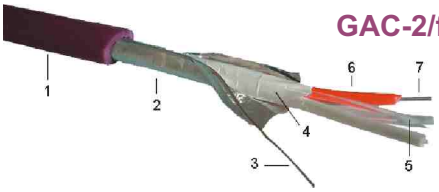
Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10630	GAC-2 DMX	0.13	black	656 ft	11.3 lbs	4 x 656 ft

the future is digital
The European Choice in Professional Audio Wiring
the future is digital

digital

GAC-2/foil AES/EBU



Digital installation cable with 110 Ohm impedance for installation in AES/EBU digital audio systems. Precise impedance run over the whole cable with quad-twisted strands (3). Large conductor diameter for accurate attenuation without skin-effect disturbances.

Aluminiumfoil is melt with jacket for easy removal of the shield with one handling. Drain wire for quick ground connection. Solid wire connection to IDT strips (such as Krone).

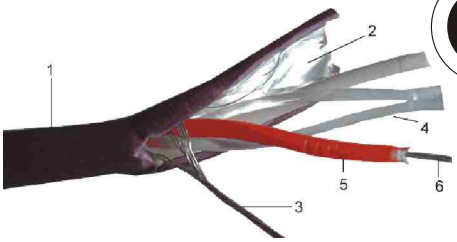
1	Jacket	PVC, ø 0.18 in, purple
2	Foil shield	PVC-coated Aluminium foil
3	Drain wire	0.40 AWG tinned copper wire
4	Stabilisation	PE foil
5	Cord (2)	PVC-strand, ø 0.05 in, quad twisted with conductors
6	Insulation	Foam-skin PE, ø 0.05 in, red and white
7	Conductor	Solid tinned copper wire, 25 AWG (25 AWG)

Conductor resistance	< 29.9 Ohm /1000 ft
Attenuation at 1 MHz	7.6 dB /1000 ft
Attenuation at 6 MHz	19.6 dB /1000 ft
Capacitance	< 16.8 nF /1000 ft
Insulation resistance	> 3.1 GOhm /1000 ft
Charact. impedance at 1-6 MHz	110 Ohm ±2%
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10652	GAC-2/foil AES/EBU	0.18	purple	656 ft	12.4 lbs	4 x 656 ft

Halogenfree cable for digital transmission

GAC-2 CE AES



digital

Digital 110 ohm halogenfree installation cable for **AES/EBU** systems. The non-corrosive jacket material chosen (flame-retarded polyolefine) allows this cable to be used for fixed installations in public buildings and in governmental installations, where halogenfree products are demanded.

Precise impedance stability over the whole cable with quad-twisted strands. Large conductor diameter for accurate attenuation without skin-effect disturbances. Aluminium-foil is melt with jacket for easy removal of shield with one shielding. Drain wires for quick ground connection.

Unique combination of copper wires lap screening to function as drain wires and aluminium-foil for best shielding performance for digital and analog signals.

FRNC*

Construction

1	Jacket	Polyolefin, ø 0.18 in, purple
2	Shield No. 1	PVC coated aluminium foil
3	Shield No. 2	Tinned copper wires, ø 0.006 in
4	Cord (2)	PE, quad twisted with two conductors
5	Insulation	Foam skin “PE”, ø 0.06 in, white and red
6	Conductor	Stranded tinned copper wires, 7x32 AWG (24 AWG)

Technical Specifications

Conductor resistance	< 24.4 Ohm /1000 ft
Insulation resistance	< 3.1 GOhm /1000 ft
Attenuation at 1 MHz	< 10.7 dB /1000 ft
Attenuation at 6 MHz	< 21.3 dB /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance cond /cond	< 15.2 nF /1000 ft
Capacitance cond /shield	< 28.9 nF /1000 ft
Characteristic impedance	110 Ohm ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

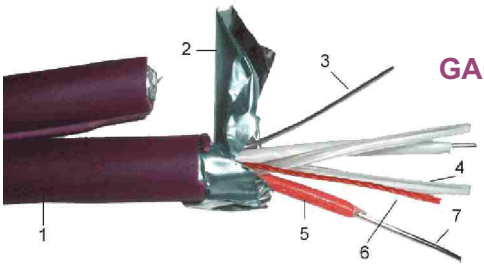
Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
10660	GAC-2 CE AES	0.18	purple	1312 ft	46.6 lbs	2 x 1312 ft

* Flame Retarded Non Corrosive = Flame retarded per IEC-332-1 test standard

the future is digital
The European Choice in Professional Audio Wiring
the future is digital

digital



GAC-2pair foil AES/EBU

Digital installation cable for AES/EBU digital audio signals. Precise impedance run over the whole cable with quad-twisted strands (5).

Large conductor diameter for accurate attenuation without skin-effect disturbances. Aluminium-foil is melt with jacket for easy removal of the shield with one handling.

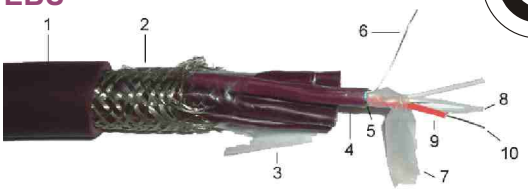
Drain wire for quick ground connection. Solid wire connection to IDT strips (such as Krone).

1	Jacket	PVC, ø 0.18 in, purple
2	Shield & Stabilisation	PVC-coated Aluminium foil
3	Drain wire	Tinned copper wire, ø 0.015 in
4	Cord (2)	“PP”, quad twisted with 2 conductors
5	Insulation	Foam skin “PE”, ø 0.05 in, red and white
6	Identification string	red (right) or yellow (left)
7	Conductor	Solid tinned copper wire, ø 0.019 in (25 AWG)

Conductor resistance	< 27.4 Ohm /1000 ft
Attenuation at 1 MHz	< 7.6 dB /1000 ft
Attenuation at 6 MHz	< 19.6 dB /1000 ft
Insulation resistance	< 3.1 GOhm /1000 ft
Capacitance	< 12.2 nF /1000 ft
Characeristic impedance	110 Ohm ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
16302	GAC-2pair foil AES/EBU	0.36x0.18	purple	656 ft	12.4 lbs	2 x 656 ft

GAC foil AES/EBU Multicore



Shown

GAC-8pair AES/EBU

Digital installation cable for AES/EBU digital audio signals. Precise impedance run over the whole cable with quad-twisted strands (4). Large conductor diameter for accurate attenuation without skin-effect disturbances.

Aluminium-foil is melt with jacket for easy removal of the shield with one handling. Drain wire for quick ground connection. Solid tinned wire connection to IDT strips (such as Krone).

Construction of one pair:

1	Jacket	PVC, purple
2	Shield	Braiding with tinned copper wires
3	Separation	PVC foil
4	Jacket	PVC, ø 0.18 in, purple
5	Shield	Aluminium-foil
6	Drain wire	Solit tinned copper wire, ø 0.016 in
7	Stabilisation	PE foil
8	Cord (2)	PVC-strand, ø 0.05 in, quad twisted with 2 conductors
9	Insulation	Foam-skin PE, ø 0.05 in, red and white
10	Conductor	Solid tinned copper wire, ø 0.019 in (25 AWG)

Conductor resistance	< 27.4 Ohm /1000 ft
Attenuation at 1 MHz	< 9.2 dB /1000 ft
Attenuation at 6 MHz	< 19.6 dB /1000 ft
Insulation resistance	> 3.1 GOhm /1000 ft
Capacitance	< 12.2 nF /1000 ft
Characteristic impedance	110 Ohm ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C


A


B

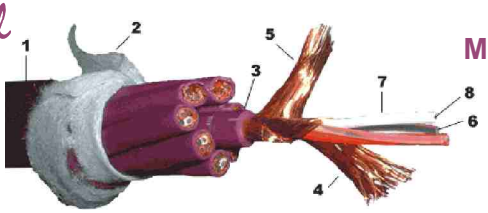

C

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Picture
[1]	16304	GAC-4pair foil AES/EBU	0.51	purple	820 ft	77.4 lbs	A
[1]	16308	GAC-8pair foil AES/EBU	0.67	purple	492 ft	92.8 lbs	B
[1]	16312	GAC-12pair foil AES/EBU	0.77	purple	492 ft	139.2 lbs	C

the future is digital

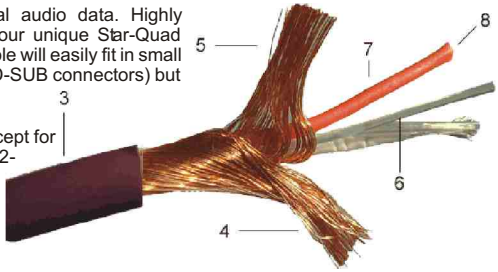
digital



AES/EBU Mini-Multicore

Shown

GAC-8pair mini AES/EBU



Ultraflexible multipair cables for AES/EBU digital audio data. Highly stabilized 110 Ohm impedance guaranteed with our unique Star-Quad "Twinax"-construction. Compact size so that the cable will easily fit in small connectors (**GAC-8pair AES/EBU** will fit in 25-pin D-SUB connectors) but still perform excellent electrical specifications.
Using the **GAC-2/mini AES** single pair cable as the element for our range of multipair digital cables (except for the **GAC-12pair foil AES**), we offer now 4-, 8-, and 12-pair flexible cables. (For technical data please refer to **GAC-2/mini AES**). Numerical identification on each pair. Sold also per meter.

Construction of one pair:

1	Jacket	PVC, purple
2	Shield No. 1	Counter wrapped
3	Jacket	PVC, ø 0.14 in
4	Shield No. 1	Bare copper wire (38 AWG), 100% coverage
5	Shield No. 2	Bare copper wire (38 AWG), 100% coverage
6	Cord (2)	"PP", quad twisted with 2 conductors
7	Insulation	Scum-PP, ø 0.04 in, white and red
8	Conductor	Stranded tinned copper wires, 19x38 AWG (24 AWG)

Conductor resistance	< 24.4 Ohm /1000 ft
Shield resistance	< 6.1 Ohm /1000 ft
Capacitance	< 12.2 nF /1000 ft
Impedance	110 Ohm ±2%
Attenuation at 1 MHz	< 10.7 dB /1000 ft
Attenuation at 6 MHz	< 22.1 dB /1000 ft <
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C


A

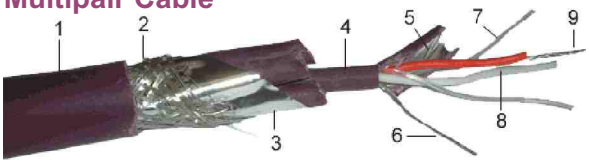

B


C

[1] continuous metering indication prints on all multipair cables for easy length verification

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Picture
[1] 16504	GAC-4pair mini AES/EBU	0.49	purple	820 ft	99 lbs	A
[1] 16508	GAC-8pair mini AES/EBU	0.49	purple	656 ft	152.5 lbs	B
[1] 16512	GAC-12pair mini AES/EBU	0.71	purple	656 ft	181.2 lbs	C

GAC Halogenfree Digital Multipair Cable



digital

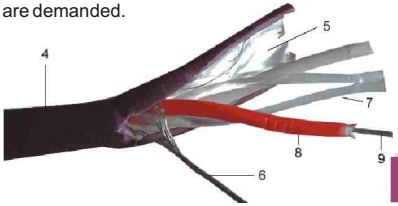
Shown

GAC-4pair CE AES/EBU

Multipair versions of the new digital halogenfree cable **GAC-2 CE AES**. The non-corrosive jacket material chosen (flame-retarded polyolefine) allows this cable to be used for fixed installations in public buildings and in governmental installations, where halogenfree products are demanded.

The 4- and 8pair constructions will be additionally protected with an outside shield using aluminium-foil and braided copper wires.

Construction of one pair:



FRNC *

1	Jacket	Polyolefine
2	Shield No. 1	Braiding with tinned copper wires (38 AWG)
3	Shield No. 2	Aluminium foil

4	Jacket	Polyolefine, ø 0.18 in max., purple
5	Shield No. 3	Aluminiumfoil
6	Shield and drain wire	Tinned copper wires, ø 0.006 in
7	Stabilisation cords (2)	PE, quad twisted with two conductors
8	Insulation	Foam-Skin “PE”, ø 0.06 in, white and red
9	Conductor	Stranded tinned copper wires, 7x32 AWG (24 AWG)

A

Conductor resistance	< 24.4 Ohm /1000 ft
Insulation resistance	> 3.1 GOhm /1000 ft
Attenuation at 1 MHz	< 10.7 dB /1000 ft
Attenuation at 6 MHz	< 21.3 dB /1000 ft
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance cond /cond	< 15.2 nF /1000 ft
Capacitance cond /shield	< 28.1 nF /1000 ft
Characteristic impedance	110 Ohm ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

B

C

D

[1] continuous metering indication prints on all multipair cables for easy length verification

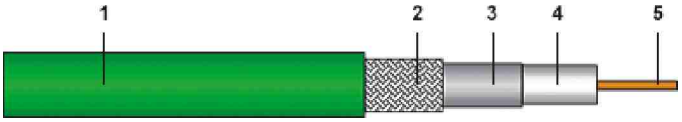
	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Picture
[1]	16602	GAC-2pair CE AES/EBU	0.49	purple	656 ft	77.4 lbs	A
[1]	16604	GAC-4pair CE AES/EBU	0.5	purple	820 ft	92.8 lbs	B
[1]	16608	GAC-8pair CE AES/EBU	0.65	purple	492 ft	139.2 lbs	C
[1]	16612	GAC-12pair CE AES/EBU	0.81	purple	656 ft	185.6 lbs	D

* **F**lame **R**etarded **N**on **C**orrosive = Flame retarded per IEC-332-1 test standard

the future is digital
The European Choice in Professional Audio Wiring
the future is digital

video

GVC-1 06 AF PVC



Digital Video installation cable capable for digital signals with SDI. Highest quality and precise construction for best possible attenuation performances.

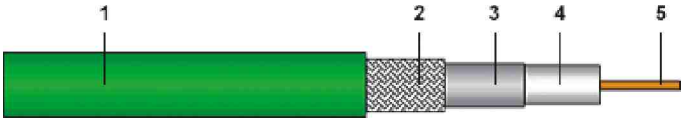
This cable has been approved by Swiss Broadcasters and has passed all Swiss Broadcasters quality tests & references with glamour (results can be sent upon request, contact info@gotham.ch).

1	Jacket	PVC, ø 0.18 in, green RAL 6018
2	Shield No. 1	Braiding with tinned copper wire (38 AWG), coverage min. 91%
3	Shield No. 2	Aluminium foil
4	Insulation	Foam-PE, ø 0.11 in
5	Conductor	Solid bare copper wire, 22 AWG

Conductor resistance		< 18.6 Ohm /1000 ft
Attenuation	at 1 MHz	< 0.4 dB /100 ft
	at 5 MHz	< 0.8 dB /100 ft
	at 30 MHz	< 1.8 dB /100 ft
	at 100 MHz	< 3.1 dB /100 ft
	at 200 MHz	< 4.4 dB /100 ft
	at 800 MHz	< 9.5 dB /100 ft
	at 1000 MHz	< 10.7 dB /100 ft
	at 1500 MHz	< 13.1 dB /100 ft
Insulation resistance		> 3.1 GOhm /1000 ft
Capacitance		< 17.1 nF /1000 ft
Charact. impedance at 200 MHz		75 Ohm ±2%
Temperature range (flex)		- 5° to +50° C
Temperature range (fix)		-30° to +70° C

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
03450	GVC-1 06 AF PVC	0.18	green	984 ft	17.9 lbs	2 x 984 ft

GVC-1 06 AF FRNC



Digital Video installation cable capable for digital signals with SDI. Highest quality and precise construction for best possible attenuation performances.

This cable has been approved by Swiss Broadcasters and has passed all Swiss Broadcasters quality tests & references with glamour (results can be sent upon request, contact info@gotham.ch).

FRNC*

Construction

1	Jacket	Polyolefine FRNC, ø 0.18 in, green RAL 6018
2	Shield No. 1	Braiding with tinned copper wire (38 AWG), coverage min. 91%
3	Shield No. 2	Aluminium foil
4	Insulation	Foam-PE, ø 0.11 in
5	Conductor	Solid bare copper wire, 22 AWG

Technical Specifications

Conductor resistance		< 18.6 Ohm /1000 ft
Attenuation	at 1 MHz	< 0.4 dB /100 ft
	at 5 MHz	< 0.8 dB /100 ft
	at 30 MHz	< 1.8 dB /100 ft
	at 100 MHz	< 3.1 dB /100 ft
	at 200 MHz	< 4.4 dB /100 ft
	at 800 MHz	< 9.5 dB /100 ft
	at 1000 MHz	< 10.7 dB /100 ft
	at 1500 MHz	< 13.1 dB /100 ft
Insulation resistance		> 3.1 GOhm /1000 ft
Capacitance		< 17.1 nF /1000 ft
Charact. impedance at 200 MHz		75 Ohm ±2%
Temperature range (flex)		- 5° to +50° C
Temperature range (fix)		-30° to +70° C

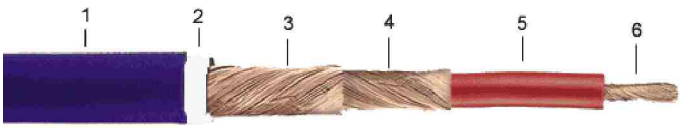
Ordering Data

Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
03451	GVC-1 06 AF FRNC	0.18	green	984 ft	18.6 lbs	2 x 984 ft

* **F**lame **R**etarded **N**on **C**orrosive = Flame retarded per IEC-332-1 test standard

audio

GAC SPK 2x13 AWG



Loudspeaker cables are transporting very high levels. In an ideal situation we want to have the lowest possible resistance between amplifier and speaker. In order to get closest to this figure, one should accommodate as much copper to the connector as possible to minimize the energy loss and the possible change of the sound performance of your system. Using a cable with a too small diameter can result the copper to transport the energy to its saturation, which will first decrease the level of high frequencies (cable gets warm or even hot) and affect your sound level and quality.

Gotham currently offers two different speaker cable types which can be combined as single line, stereo line or Biphase lines and/or put together for lower resistance. All Gotham speaker cables are protected with ultra strong oil, heat and cold resistant polyurethan (PUR) jacket. The double layer copper strands for the outside line are built to keep a good flexibility and the stronger stranding of the center conductor (line) will keep the unwanted memory (bendings) to the minimum.

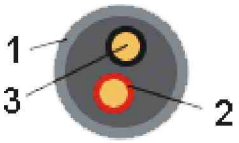
1	Jacket	PUR, ø 0.27 in, blue (dark)
2	Separation	PVC, ø 0.24 in, white
3	Conductor 1A	Bare copper wires (2.50 AWG), 100% coverage
4	Conductor 1B	Bare copper wires (2.50 AWG), 100% coverage
5	Insulation	PVC, ø 0.16 in, red
6	Conductor	Stranded bare copper wires, 50x30 AWG (13 AWG)

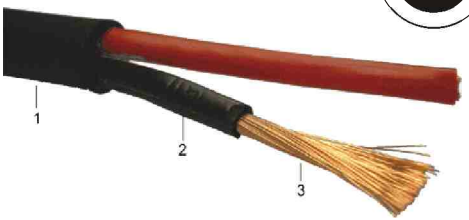
Center conductor resistance	< 2.3 Ohm /1000 ft
Shielding resistance	< 2.4 Ohm /1000 ft
Capacitance cond /cond	< 32 nF /1000 ft
Test voltage cond /cond	800 V eff.
Insulation resistance cond /shield	> 61 MOhm /1000 ft
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	50150	GAC-SPK 2x13 AWG	0.27	blue	656 ft	42.4 lbs	1 x 656 ft

SPK 2x17 AWG





High flexible Speaker cable for power amplifiers up to 150 watts, 100 volts installations, power mixers, voice and instrument amplifiers may be transmitted safely with this conductor size of 1.0 mm².

Semi-professional connectors are easy to be mounted due ti the small overall diameter. Optimal Price/Quality realation. Small and effective stranding for all application.

PVC* flame retarded

1	Jacket	PVC, ø 0.23 in, black
2	Insulation	PVC, ø 0.09 in, black and red
3	Conductor	Stranded bare copper wires, 56x35 AWG (17AWG)

Conductor resistance	< 6.7 Ohm /1000 ft
Capacitance cond /cond	< 41 nF /1000 ft
Test voltage cond /cond	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

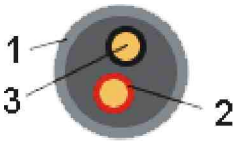
[1] continuous metering indication prints on all multipair cables for easy length verification

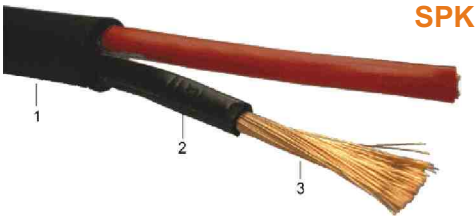
	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	50010	SPK 2x17 AWG	0.23	black	656 ft	25.4 lbs	2 x 656 ft

* Flameretarded PVC, IEC 60332-3

audio

SPK 2x15 AWG





High flexible Speaker cable for power amplifiers up to 300 watts, 100 volts installations, power mixers, voice and instrument amplifiers may be transmitted safely with this conductor size of 1.5 mm².

Semi-professional connectors are easy to be mounted due ti the small overall diameter. Optimal Price/Quality realation. Small and effective stranding for all application.

PVC* flame retarded

1	Jacket	PVC, ø 0.28 in, black
2	Insulation	PVC, ø 0.11 in, black and red
3	Conductor	Stranded bare copper wires, 84x35 AWG (15 AWG)

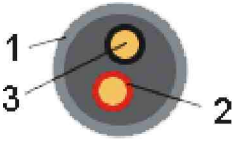
Conductor resistance	< 3.6 Ohm /1000 ft
Capacitance cond /cond	< 36 nF /1000 ft
Test voltage cond /cond	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

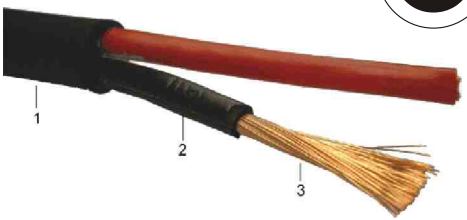
[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	50015	SPK 2x15 AWG	0.28	black	492 ft	26.5 lbs	2 x 492 ft

* Flameretarded PVC, IEC 60332-3

SPK 2x13 AWG





High flexible Speaker cable for power amplifiers up to 1000 watts. To get such amouts of power to the loudspeaker without much signal energy loss, a conductor size of at least of 2.5 mm² per single core should be used.

To meet the requirements of the most common fields of application and desired degree of flexibility we have chosen a middle size stranding of 0.15 mm bare cupper wires.

Best cost effectiveness yet still very flexible construction round and stable.

PVC* flame retarded

1	Jacket	PVC, ø 0.32 in, black
2	Insulation	PVC, ø 0.13 in, black and red
3	Conductor	Stranded bare copper wires, 140x35 AWG (13 AWG)

Conductor resistance	< 2.23 Ohm /1000 ft
Capacitance cond /cond	< 35 nF /1000 ft
Test voltage cond /cond	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

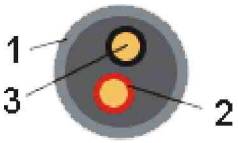
[1] continuous metering indication prints on all multipair cables for easy length verification

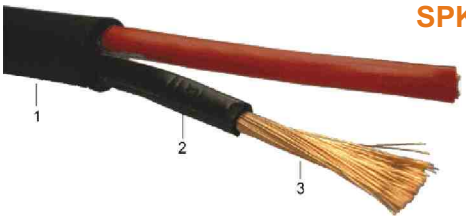
	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	50025	SPK 2x13 AWG	0.32	black	328 ft	24.3 lbs	2 x 328 ft

* Flameretarded PVC, IEC 60332-3

audio

SPK 2x11 AWG





High flexible Speaker cable for power amplifiers up to 4000 watts. 224 strands of 0.15 mm bare cupper wires, fine stranding for best flexibility but still affordable price.

Best cost effectiveness yet still very flexible construction. Easy apllication to most connectors. PVC strands do keep the cable construction round and stable.

PVC* flame retarded

1	Jacket	PVC, ø 0.37 in, black
2	Insulation	PVC, ø 0.15 in, black and red
3	Conductor	Stranded bare copper wires, 7x (32x35 AWG (6 AWG)

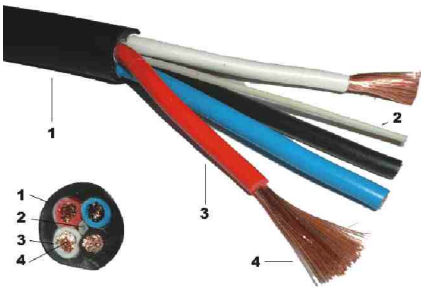
Conductor resistance	< 1.42 Ohm /1000 ft
Capacitance cond /cond	< 46 nF /1000 ft
Test voltage cond /cond	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

[1] continuous metering indication prints on all multipair cables for easy length verification

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	50040	SPK 2x11 AWG	0.37	black	328 ft	36.5 lbs	1 x 328 ft

* Flameretarded **PVC**, IEC 60332-3

SPK 4x13 AWG



audio

High flexible speaker cable for power amplifiers up to 4000 watts standard application. Bi-wiring recommended up to 2x 1000 watts. Round and flexible construction.

PVC* flame retarded

Construction

1	Jacket	PVC, ø 0.38 in, black
2	Filling material	
3	Insulation	PVC, ø 0.13 in, black, red blue and white
4	Conductor	Stranded bare copper wires, 140x35 AWG (13 AWG)

Technical Specifications

Conductor resistance	< 2.23 Ohm /1000 ft
Capacitance cond /cond	< 37 nF /1000 ft
Test voltage cond /cond	2000 V eff.
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

[1] continuous metering indication prints on all multipair cables for easy length verification

Ordering Data

	Order No.	Type	ø in	Colour	Spool Size	Weight /Spool	Shipping Unit
[1]	54025	SPK 4x13 AWG	0.38	black	200 ft	74.7 lbs	1 x 200 ft

* Flameretarded **PVC**, IEC 60332-3

About us

Since 1976 we have been supplying our superior range of professional audio cables to the audio-industry. We kept our range a unique assortment of professional products, not compromising our goal, a cable which meets the professional's demand for worry-free transportation of audio-signals.

Gotham Audio Cables feature the unique "Double Reussen Shielding"; 2 layers of 100% coverage with copper wires on the conductor(s) resulting in superb flexibility, best possible Rf-rejection (up to 130 dB!), easy and fast handling and long reliability.

Back in 1990, we introduced the first digital audio cable for the AES/EBU format (110 ohm balanced cables) and are now recognized as the premier manufacturer of digital audio cables. Today, we even offer a full range of multipair cables for AES/EBU digital audio signals with astonishing performance and flexibility.

In 1995, we have introduced a range of special, non corrosive, flame- retarding installation-cables, which are completely halogen-free and suitable for installation in public buildings, theatres, broadcast studios and units where flame-retarding cables are necessary.

The first step to get around the dangerous and toxic PVC-material for cables. This range includes foil-shielded installation-cables as well as cables featuring our exclusive "Double Reussen Shielding".

In the same year we have decided to offer single-shielded cables with lower cost but same quality standards as our Gotham Audio Cables range under the trademark of DGS. Lower weight and smaller diameter multicore cables and high flexibility are only a few of the features of this new range of DGS Audio Cables.

Gotham cables are exclusively manufactured in Europe. We run a bonded warehouse in Germany and distributor quantities are shipped from Freiburg / Germany, while our Swiss headquaters in Dietikon (near Zurich) can accommodate smaller orders for samples and consolidation orders with other products.

US and Canadian orders will be handeled directly by our US office in Nazareth (PA), where we also have a well assorted stock on hand available.

We know that you will find in this documentation the cables of your need. Should you require any additional information, or even samples, do not hesitate to contact us, or one of our distributors.

Dietikon, 2005

Gotham Audio Cables

www.gotham.ch

Office Switzerland:

Gotham AG
Heimstrasse 25
8953 Dietikon
Switzerland

www.gotham.ch
e-mail info@gotham.ch
phone: +41 (0) 44/ 840 01 44
fax: +41 (0) 44/ 744 25 22
mobile: +41 (0) 79 401 73 01

Office USA:

Gotham Audio LLC
P.O Box 111
Nazareth PA 18064
USA

www.gothamaudiousa.com
e-mail lewis@gothamaudiousa.com
phone: (610) 746-9342
fax: (610) 746-9360
cell: (404) 840-0070