

**metric
english**



www.gotham.ch



V2



All Gotham Cables are **RoHS** compliant!

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*Welcome
to the World of
Gotham Audio Cables*

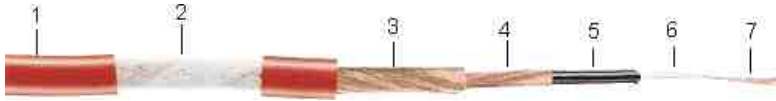


audio

Phono & Guitar Cable

3

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, \varnothing 5.3 mm
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Layer	PVC, conductive
6	Insulation	PE, \varnothing 1.25 mm
7	Conductor	Stranded bare OF copper wires, 48x0.07 mm (0.20 mm ²)

Conductor resistance	< 90 Ohm /km
Shielding resistance	< 28 Ohm /km
Capacitance	< 146 nF /km
Test voltage	1000 V eff. (2 minutes)
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

LCOF-Copper

Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10001	GAC-1	5.3	red	100 m	4.1 kg	4 x 100 m
10004	GAC-1	5.3	blue	100 m	4.1 kg	4 x 100 m
10005	GAC-1	5.3	yellow	100 m	4.1 kg	4 x 100 m
10008	GAC-1	5.3	black	100 m	4.1 kg	4 x 100 m

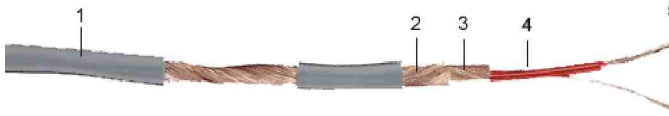
available also per m-e-t-e-r!

Balanced Installation



audio

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.

Double shield, max. Flex

1	Jacket	PVC, \varnothing 3.3 mm, grey
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	Insulation	PE, \varnothing 1.15 mm
5	Conductor	Stranded bare OF copper wires, 25x0.1 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance at 800 Hz cond /cond	< 75 nF /km
Capacitance at 800 Hz cond /shield	< 130 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10301	GAC-2/1	3.3	grey	300 m	6.3 kg	4 x 300 m
10302	GAC-2/1	3.3	grey	800 m	17.0 kg	2 x 800 m

find prices on www.gotham.ch



audio

Balanced Installation

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

TOP Seller

1	Jacket	PVC, ø 3.0 mm, black
2	Shield	Aluminium-Polyester foil
3	Drain wire	Stranded OF tinned copper wires, 7x0.20 mm (0.22 mm ²)
4	Insulation (cond.)	PE, ø 1.1 mm, twisted, black and red conductors
5	Conductor	Stranded OF tinned copper wires, 7x0.20 mm (0.22 mm ²)

Conductor resistance	< 85 Ohm /km
Shielding resistance	< 65 Ohm /km
Capacitance cond /cond	< 75 nF /km
Capacitance cond /shield	< 140 nF /km
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10201	GAC-2/foil	3.0	black	800 m	16.3 kg	2 x 800 m
10202	GAC-2/foil	3.0	black	300 m	5.1 kg	4 x 300 m

Installation cable

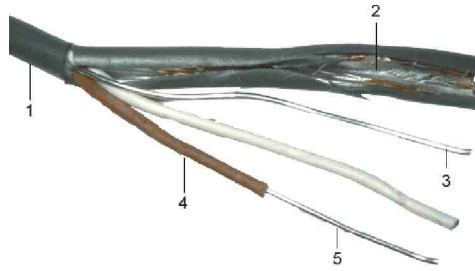
Construction

Technical Specifications

Ordering Data

All Gotham Cables are RoHS compliant!

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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.

Miniatur Balanced Audio 2.2 mm outside diameter

1	Jacket	PVC, \varnothing 2.2 mm
2	Shield	Aluminium-Polyester foil
3	Drain wire	(to shielding) tinned OF copper wire, 0.37 mm (0.11 mm ²)
4	Insulation	PVC, \varnothing 0.72 mm, twisted, white and brown
5	Conductor	Solid tinned OF copper wire, 0.37 mm (0.11 mm ²)

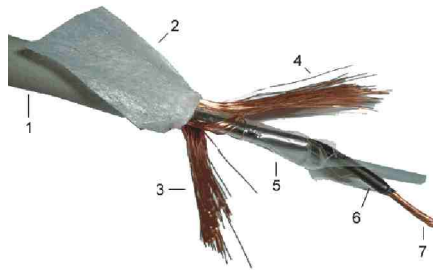
Conductor resistance	< 165 Ohm /km
Capacitance cond /cond	< 133 nF /km
Capacitance cond /shield	< 240 nF /km
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	500 V eff.
Operating voltage	low voltage
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10101	GAC-2/mini	2.2	red	500 m	4.2 kg	4 x 500 m
10102	GAC-2/mini	2.2	grey	500 m	4.2 kg	4 x 500 m

**we ship from german
warehouse in shipping units**



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.

PUR-Jacket

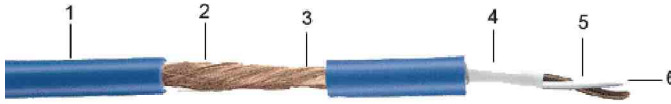
1	Jacket	PUR, \varnothing 4.5 mm, grey (light)
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Separation	PE-coated
6	Insulation	PE, \varnothing 1.20 mm, conductors red and white wrapped
7	Conductor	Stranded bare OF copper wires, 28x0.1 mm (0.22 mm ²)

Conductor resistance	< 80 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance at 800 Hz, cond /cond	< 75 nF /km
Capacitance at 800 Hz, cond /shield	< 130 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10550	GAC-2111	4.5	grey	150 m	4.6 kg	4 x 150 m



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!).

48x0.07 mm stranding!

1	Jacket	PVC, \varnothing 5.4 mm
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	Separation	PVC, \varnothing 3.1 mm, white tube
5	Insulation	PVC, \varnothing 1.20 mm, white and brown, wrapped, twisted pair
6	Conductor	Stranded bare OF copper wires, 48x0.07 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 125 nF /km
Capacitance cond /shield	< 189 nF /km
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

LCOF-Copper

Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10401	GAC-2	5.4	red	100 m	4.7 kg	4 x 100 m
10402	GAC-2	5.4	grey	100 m	4.7 kg	4 x 100 m
10403	GAC-2	5.4	pink	100 m	4.7 kg	4 x 100 m
10404	GAC-2	5.4	blue	100 m	4.7 kg	4 x 100 m
10405	GAC-2	5.4	velvet black	100 m	4.7 kg	4 x 100 m
10406	GAC-2	5.4	yellow	100 m	4.7 kg	4 x 100 m
10407	GAC-2	5.4	mint	100 m	4.7 kg	4 x 100 m
10408	GAC-2	5.4	velvet black	300 m	13.5 kg	2 x 300 m
10409	GAC-2	5.4	velvet black	1000 m	38.6 kg	1 x 1000 m
10412	GAC-2	5.4	green	100 m	4.7 kg	4 x 100 m

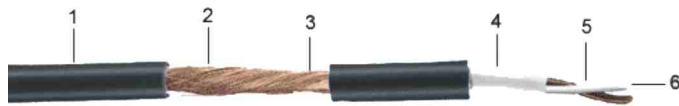
Microphone Cables

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audio

GAC-2a



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

More economical version using 24x0.1 mm stranding to save costs and gain a bit strength. Standard color in velvet black only. Other colours available upon request.

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!).

25x0.1 mm stranding!

1	Jacket	PVC, ø 5.4 mm
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	Separation	PVC, ø 3.1 mm, white tube
5	Insulation	PVC, ø 1.20 mm, white and brown, wrapped, twisted pair
6	Conductor	Stranded bare OF copper wires, 25x0.1 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 125 nF /km
Capacitance cond /shield	< 189 nF /km
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

LCOF-Copper

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10495	GAC-2a	5.4	velvet black	100 m	4.7 kg	4 x 100 m
10498	GAC-2a	5.4	velvet black	300 m	13.5 kg	2 x 300 m
10499	GAC-2a	5.4	velvet black	1000 m	38.6 kg	1 x 1000 m

other colours available!

contact www.gotham.ch

double shielded

The European Choice in Professional Audio Wiring

double shielded

Ultraflexible 2-conductor microphone cable

Construction

Technical Specifications

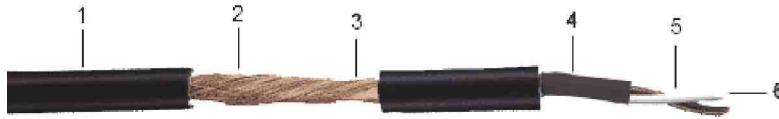
Ordering Data

Microphone Cables



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.

Construction

1	Jacket	PVC, \varnothing 5.4 mm, black
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	Noise cancellation	PVC, \varnothing 3.1 mm, conductive, black tube
5	Insulation	PE, \varnothing 1.20 mm, white and brown, wrapped, twisted pair
6	Conductor	Stranded bare OF copper wires, 48x0.07 mm (0.20 mm ²)

Technical Specifications

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 70 nF /km
Capacitance cond /shield	< 118 nF /km
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

Lowest noise

Ordering Data

Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10421	GAC-2 V1	5.4	black	100 m	4.7 kg	4 x 100 m

All Gotham Cables are RoHS compliant!

Microphone Cables



audio

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.

PUR-Jacket

1	Jacket	PUR, ø 5.4 mm, blue
2	Separation	PVC, ø 4.4 mm, white
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Separation	PVC, ø 3.1 mm, white
6	Insulation	PVC, ø 1.20 mm, white and brown, wrapped
7	Conductor	Stranded bare OF copper wires, 48x0.07 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 125 nF /km
Capacitance cond /shield	< 189 nF /km
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)

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10502	GAC-2 PUR	5.4	blue	100 m	4.7 kg	4 x 100 m

we have a warehouse in Switzerland, Germany and USA

double shielded

The European Choice in Professional Audio Wiring

double shielded

GAC-2 variation with ultrastrong PUR jacket

Construction

Technical Specifications

Ordering Data

Balanced Installation



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.

Double shielding



1	Jacket	Polyolefine, \varnothing 3.5 mm max., black
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	Insulation	PE, \varnothing 1.15 mm, conductors red and white wrapped
5	Conductor	Stranded bare OF copper wires, 25x0.1 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance cond /cond	< 75 nF /km
Capacitance cond /shield	< 130 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10306	GAC-2/1 CE	3.5	black	300 m	6.3 kg	4 x 300 m

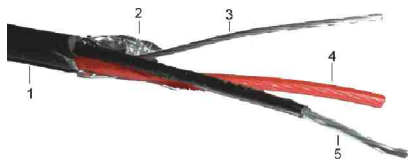
* Flame Retarded Non Corrosive = Flame retarded per IEC-332-1 test standard

Balanced Installation



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 each of the 7 strands is so tight that once peeled 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.



1	Jacket	Polyolefin, ø 3.0 mm, black
2	Shield	Aluminium-Polyester foil
3	Drain wire	Stranded tinned OF copper wires, 7x0.20 mm (0.22 mm ²)
4	Insulation	PE, ø 1.1 mm twisted, black and red conductors
5	Conductor	Stranded tinned OF copper wires, 7x0.20 mm (0.22 mm ²)

Halogen free

Conductor resistance	< 85 Ohm /km
Shielding resistance	< 65 Ohm /km
Capacitance cond /cond	< 75 nF /km
Capacitance cond /shield	< 140 nF /km
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10205	GAC-2/foil CE	3.0	black	800 m	16.5 kg	2 x 800 m
10206	GAC-2/foil CE	3.0	black	300 m	5.1 kg	4 x 300 m

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

double shielded

The European Choice in Professional Audio Wiring

double shielded

Foil shielded non corrosive installation cable

Construction

Technical Specifications

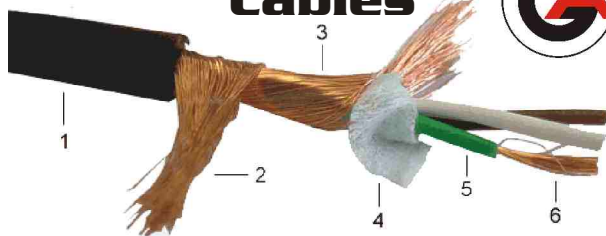
Ordering Data

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.

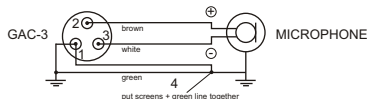
Each of the three conductors consists of 96 (!) strands of 0.05mm copper wires being the finest stranding for audio cables available which gives you improved flexibility, better signal transport and longer lifetime (moving cycles). (Heavy duty version with 5.8mm Ø also available).

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



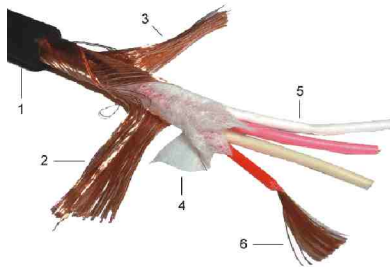
Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10701	GAC-3	5	grey	100 m	4.1 kg	4 x 100 m
10702	GAC-3	5	black	100 m	4.1 kg	4 x 100 m
10801	GAC-3	5.8	black	100 m	5.1 kg	4 x 100 m
10899	GAC-3	5.8	brown	250 m	12.7 kg	2 x250 m

other colours available!

Contact www.gotham.ch



audio



GAC-4/1

15

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.

Star Quad Cable

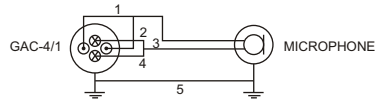
1 Jacket	PVC, \varnothing 5.4 mm, velvet black (ultrasoft)
2 Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
3 Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
4 Viscose fiber coat	Counter wrapped to the quad twisted conductors
5 Insulation (cond.)	PE, \varnothing 1.20 mm, white, ivory, pink and red, quad-twisted
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	< 55 nF /km
Capacitance cond /shield	< 103 nF /km
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)

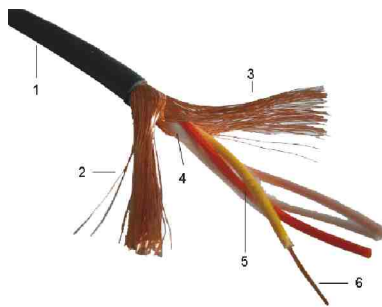
This cable	XLR-Connector
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1 = red	pin 2
2 = pink	pin 2
3 = white	pin 3
4 = ivory	pin 3
5 = screening 1+2	pin 1



Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
11001	GAC-4/1	5.4	black	100 m	4.6 kg	4 x 100 m
11002	GAC-4/1	5.4	black	300 m	13.4 kg	2 x 300 m

the best Audio cable available!

GAC-4/1 mini

audio

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".

Star Quad Installation

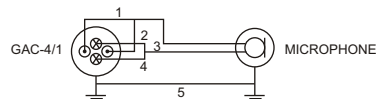
1	Jacket	PVC, \varnothing 3.4 mm, grey (dark)
2	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
4	Separation	PE, foil
5	Insulation	PE, \varnothing 1.0 mm, 4 conductors, red, white, pink and yellow, quad twisted,
6	Conductor	Stranded bare OF copper wires, 18x0.10 mm (0.14 mm ²)

Conductor resistance	\leq 125 Ohm /km
Shielding resistance	$<$ 20 Ohm /km
Capacitance cond /cond	\leq 52 nF /km
Capacitance cond /shield	\leq 100 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10901	GAC-4/1 mini	3.4	grey	250 m	6.4 kg	4 x 250 m

All Gotham Cables are RoHS compliant!

Hybrid Cable



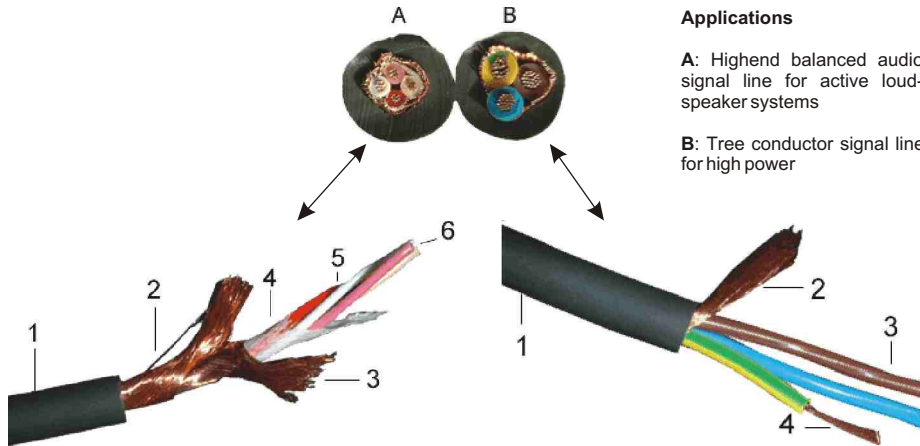
audio

GAC-4/1 double shielded and 3x ·C· mm² single shielded

Applications

A: Highend balanced audio signal line for active loudspeaker systems

B: Tree conductor signal line for high power



	11510	11520	11530	
1 Jacket, PVC, grey (dark)	ø 6.5 mm	ø 7.2 mm	ø 6.5 mm	A, B
2 Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage			A
3 Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage			A
4 Viscose fiber coat	Counter wrapped to the quad conductors			A
5 Insulation	PE, ø 1.20 mm, white, red, pink and ivory, quad-twisted			A
6 Conductor	Stranded bare OF copper wires, 7x0.20 mm (0.22 mm ²)			A

2 Shield	Bare OF copper wires (0.10 mm), 100% coverage			B
3 Insulation, PVC, h.v. tested	ø 2.35 mm	ø 2.50 mm	ø 2.98 mm	B
4 Conductor	Stranded bare OF copper wires, **			B

Conductor resistance	< 85 Ohm /km			A
Shielding resistance	< 20 Ohm /km			A
Capacitance cond /cond	< 55 nF /km			A
Capacitance cond /shield	< 105 nF /km			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

	11510	11520	11530	
Conductor resistance	< 26 Ohm /km	< 19.5 Ohm /km	< 13.5 Ohm /km	B
Shielding resistance	< 26 Ohm /km	< 19.5 Ohm /km	< 13.5 Ohm /km	B
Test voltage cond /cond	500 V eff.	500 V eff.	500 V eff.	B
Test voltage cond /shield	5000 V eff.	5000 V eff.	5000 V eff.	B

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
11510	Hybrid Cable	6.5x13	grey	100 m	14.0 kg	2 x 100 m
	*wire profile ·C· is 0.75 mm ² ** conductor 24x0.20 mm (0.75 mm ²)					
11520	Hybrid Cable	7.2x14.4	grey	200 m	33.4 kg	1 x 200 m
	*wire profile ·C· is 1.00 mm ² ** conductor 32x0.20 mm (1.00 mm ²)					
11530	Hybrid Cable	8.0x16.0	grey	300 m	55.0 kg	1 x 300 m
	*wire profile ·C· is 1.50 mm ² ** conductor 30x0.24 mm (1.50 mm ²)					

double shielded

The European Choice in Professional Audio Wiring

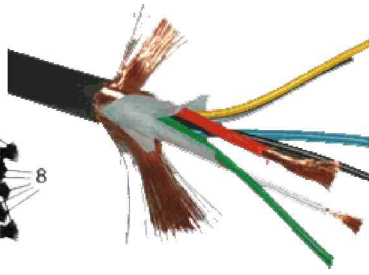
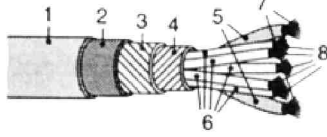
double shielded

Highend balanced audio signal line (ideal for active loudsp.)

Construction

Technical Specifications

Ordering Data

GAC-7 Tube

audio

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

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

as used by many leading Tube Microphone manufacturers!

1	Jacket	PVC, \varnothing 6.2 mm, grey
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Insulation A	PE, \varnothing 1.50 mm
6	Insulation B	PE, \varnothing 1.10 mm
7	Conductor A	Stranded bare OF copper wires, 252x0.05 mm (0.50 mm ²)
8	Conductor B	Stranded bare OF copper wires, 72x0.05 mm (0.14 mm ²)

Conductor resistance, cond. A	\leq 39 Ohm /km
Conductor resistance, cond. B	\leq 125 Ohm /km
Shielding resistance	$<$ 15 Ohm /km
Capacitance cond /cond	\leq 90 nF /km
Capacitance cond /shield	\leq 160 nF /km
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

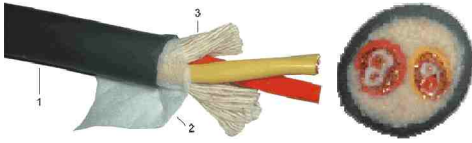
Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
20101	GAC-7 Tube	6.2	grey	200 m	12.5 kg	2 x 200 m

OEM available!

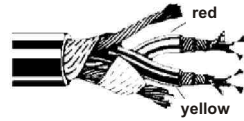
Stereo Cables



audio



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 multipair cables are numbered each meter for easy length termination.

Construction of one pair:



- | | |
|----------------------|--|
| 1 Jacket | PVC, ø 7.3 mm, grey (dark) |
| 2 Viscose fiber coat | Counter wrapped to the twisted pair |
| 3 Filling material | Fabric file |
| <hr/> | |
| 4 Jacket | ø 3.3 mm, red or yellow |
| 5 Shield No. 1 | Bare OF copper wires (0.10 mm), 100% coverage |
| 6 Shield No. 2 | Bare OF copper wires (0.10 mm), 100% coverage |
| 7 Insulation (cond.) | PE, ø 1.15 mm, conductors red and white wrapped |
| 8 Conductor | Stranded bare OF copper wires 25x0.1 mm (0.20 mm²) |

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance at 800 Hz, cond /cond	< 75 nF /km
Capacitance at 800 Hz, cond /shield	< 130 nF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

ideal for location recording

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
13001	GAC-2pair round	7.3	grey	150 m	9.8 kg	2 x 150 m

double shielded

The European Choice in Professional Audio Wiring

double shielded

Multipair Cable with round construction

Construction

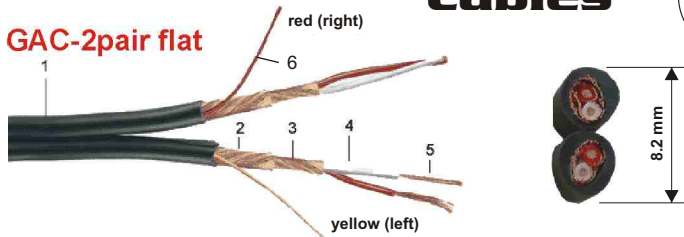
Technical Specifications

Ordering Data



audio

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 multipair cables are numbered each meter for easy length termination.

Construction of one pair:



- | | | |
|---|--------------------|--|
| 1 | Jacket | ø 4.0 mm, grey (dark) |
| 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 | Insulation (cond.) | PE, ø 1.15 mm, conductors red and white wrapped |
| 5 | Conductor | Stranded bare OF copper wires, 25x0.1 mm (0.20 mm ²) |
| 6 | Fabric strings | Side identification red /yellow |

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance at 800 Hz, cond /cond	< 75 nF /km
Capacitance at 800 Hz, cond /shield	< 130 nF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

ultra flexible

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
12001	GAC-2pair flat	4.0x8.2	grey	200 m	11.9 kg	2 x 200 m

All Gotham Cables are RoHS compliant!



audio

Snake

21



GAC Multicore Cable

Shown

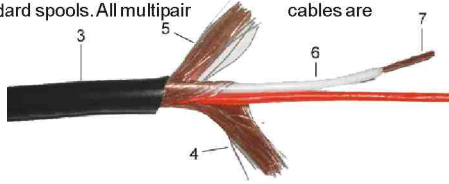
GAC-24pair

14009



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 or standard spools. All multipair cables are numbered each meter for easy length termination.

Construction of one pair:



- | | | |
|---|--------------------|---|
| 1 | Jacket | PVC, grey (dark) |
| 2 | Viscose fiber coat | Counter wrapped |
| 3 | Jacket | black, \varnothing 3.3 mm (numbered) |
| 4 | Shield No. 1 | Bare OF copper wires (0.10 mm), 100% coverage |
| 5 | Shield No. 2 | Bare OF copper wires (0.10 mm), 100% coverage |
| 6 | Insulation (cond.) | PE, \varnothing 1.15 mm, conductors red & white wrapped |
| 7 | Conductor | Stranded bare OF copper wires, 25x0.10 mm (0.20 mm ²) |

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 20 Ohm /km
Capacitance at 800 Hz, cond /cond	< 75 nF /km
Capacitance at 800 Hz, cond /shield	< 130 nF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

double shield cable!

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

Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Picture
¹⁾ 14001	GAC-4pair	11.0	grey	300 m	50 kg	A
¹⁾ 14003	GAC-8pair	14.0	grey	200 m	63.1 kg	B
¹⁾ 14004	GAC-10pair	17.0	grey	200 m	68.6 kg	C
¹⁾ 14005	GAC-12pair	18.0	grey	200 m	82.0 kg	D
¹⁾ 14006	GAC-16pair	20.0	grey	150 m	78.0 kg	E
¹⁾ 14009	GAC-24pair	24.0	grey	100 m	77.5 kg	F
¹⁾ 14032	GAC-32pair	27.5	grey	100 m	95.7 kg	G

sold per m-e-t-e-r!



A



B



C



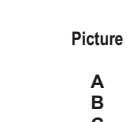
D



E

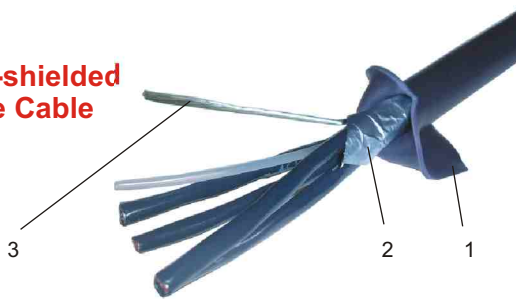


F



G

GAC foil-shielded Multicore Cable



audio



Shown
GAC-12pair

15012

Foil shielded analogue multipair cables with tinned copper stranded wires, 7x0,25 (AWG 22). Flame retarded PVC Jacket material with excellent mechanical structure and good flexibility.

Made at highest Gotham quality standard but for competitive prices.

Construction of one pair:



- | | | |
|---|------------|---|
| 1 | Jacket | PVC, dark blue |
| 2 | Shield | one side polyester, Aluminium foil (conductor side is inside) |
| 3 | Drain wire | Stranded tinned OF copper wires, 19x0.25 mm (0.92 mm ²) |
| 4 | Jacket | PVC, ø 3.40 mm |
| 5 | Shield | one side polyester, Aluminium foil (conductor side is inside) |
| 6 | Twisting | two insulated conductor and drain wire twisted together |
| 7 | Drain wire | Stranded tinned OF copper wires, 7x0.25 mm (0.34 mm ²) |
| 8 | Insulation | PE, white and red, ø 1.30 mm |
| 8 | Conductor | Stranded tinned OF copper wires, 7x0.25 mm (0.34 mm ²) |



A



B



C

Conductor resistance	< 56 Ohm /km
Shielding resistance	< 65 Ohm /km
Capacitance at 800 Hz, cond /cond	< 102 pF /km
Capacitance at 800 Hz, cond /shield	< 184 pF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Foil-shielded!

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

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Picture
¹⁾ 15004	GAC-4pair foil	10	dark blue	250 m	42.0 kg	A
¹⁾ 15008	GAC-8pair foil	13	dark blue	200 m	45.0 kg	B
¹⁾ 15012	GAC-12pair foil	16.5	dark blue	200 m	67.0 kg	C

sold per m-e-t-e-r!



leads
audio

Gotham assembled cable leads

innovative

The European Choice in Professional Audio Wiring

innovative

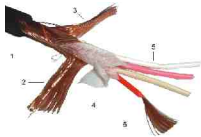
We offer now made-up cable leads assembled in our own service lab or assembled at an institution for special care where special educated persons are making this work under control and supervision of Gotham technical staff. We use Switchcraft, Amphenol and Deltron connectors as prime source since we are having lots of stock of these connectors. Naturally are we able and willing to use connectors to your preferences and taste. Our listed standard cables are available in short notice in smaller quantities. Contact us for your volume price and possible delivery time. Gotham does not support the "religious" HiFi - cables floating the consumer market with exorbitant priced wild constructions offering nothing but high prices but no benefit to the sound. There is no good sound caused by any cable. Best thing one can do, is to transport the signal w/o changing it from its origin characteristics. And this is achieved by using best possible shielding as 1st priority. This is the Gotham Cable philosophy. Find below our recommendation for Audio, Video and digital Audio connection leads. The prices indicated are valid even w/o a minimum order. Standard Pro, Dealer and Distributor discounts and possible volume discounts do apply. Other connectors (1/4" jack, right angle XLR, female phono etc.) are available as well. Just specify the connection you need and we shall quote you the best solution. Ask for your individual quotation. Balanced analogue audio cables (Microphone leads) are built to protect the relative low-level signal from RF influences picked up at the cable runs. Basically we can offer 3 standards as below. There are more possible versions using our GAC-2PUR (10501) or our lowest noise GAC-2V1 (10421) available. Just ask for a quotation for similar constructions. Our GAC- 2 and GAC-3 are available in different jacket colors as well. Just specify desired colour when ordering. Refer to cable construction and information for benefits using 4 conductors, or 3 conductors audio cables.

The perfect solution you need

Star Quad

x Conductor cable

GAC-4/1 Star quad



QGP M-F gold pro



A3FBAU-A3MBAU gold



Cable with connector



Order No.	Type	#	Connector	Length	Variants
41300130	GAC-4/1 Star quad	11001	QGP M-F gold pro	3.0 m	± 1 m
41100230	GAC-4/1 Star quad	11001	A3FBAU-A3MBAU gold	3.0 m	± 1 m

Star quad 4-conductor cable featuring double Reussenshield and 130 dB RF cancellation wiring in connector. 6.0mm Ø. Black cable colour only. Highest electrical performance possible

3 Conductor cable featuring double Reussenshield and 115 dB RF cancellation wiring in connector 5.0 mm Ø. * = Choice of cable colour.

2 Conductor cable featuring double Reussenshield and 95 dB RF cancellation 5,0 mm Ø, super flexible with unique separation tube to separate shield and conductors. * = Choice of cable colour.

GAC-3



GAC-2



QGP M-F gold pro



A3FBAU-A3MBAU gold



Cable with connector

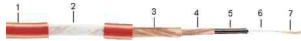


Order No.	Type	#	Connector	Length	Variants
41400130	GAC-3 col.	10701	QGP M-F gold pro	3.0 m	± 1 m
41400230	GAC-3 col.	10701	A3FBAU-A3MBAU gold	3.0 m	± 1 m
41500230	GAC-2 col.	10405	QGP M-F gold pro	3.0 m	± 1 m
41400430	GAC-2 col.	10405	A3FBAU-A3MBAU gold	3.0 m	± 1 m

Gotham assembled cable leads

Unbalanced audio cables: Again, it is our goal to protect the genuine signal from any signal possibly entering the system, therefore we use for analogue interconnect leads our double shielded GAC-1 (10001-8) The only double shielded unbalanced audio cable to our knowledge. The best possible shielding will protect your low energy audio signal from intruding noise and disturbance signals. The only realistic and possible treat for an audio signal. Together with our gold plated phono connectors you will have the best possible interconnect for your system. We do not fear any comparison with any other claimed "Hiend" cables, just try us out.

GAC-1



Deltron 346 Serie colour



Cable with connector



Order No.	Type	#	Connector	Length	Variants
41700830	GAC-1	10008	Deltron 346 Serie colour	3.0 m	± 1 m

Phono connectors with choice of 4 colours (Chinch/RCA), leads featuring GAC-1 double shielded cables with noise cancelling effects. 5.0 mm Ø: Gold plated RCA plugs with gold plated contacts: * = Choice of cable colour.

Professional crimped BNC or soldered phono connectors Video cables. Choice of PVC cable or the halogen free (FRNC) flame retarded cable. We have also RG59 cables (02980) in black as alternative solution (more flexible) in phono or BNC version. (same price)

GVC-1



BNC (gold pin)



Cable with connector

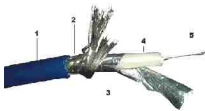


Order No.	Type	#	Connector	Length	Variants
41800930	GVC-1 (green)	03450	Neutrik BNC (gold pin)	3.0 m	± 1 m

Neutrik gold pin contact **BNC connectors** and Gotham video cable capable for digital video signals. Swiss broadcasters approved high quality video cable. (green only)

Chinch Video Format silver-plated cable conductor and shield. 75 Ohm, 5,6mm Ø. Gold plated Deltron RCA plug (4 colours). Marine blue cable colour only.

75 Ohm Cable



75 Ohm Cable



Deltron 346 Serie



Cable with connector



Order No.	Type	#	Connector	Length	Variants
41800630	GAC-1 S/PDIF Pro	10070	Deltron 346 Serie gold	3.0 m	± 1 m
41800830	GVC-1 (green)	03450	Deltron 346 Serie gold	3.0 m	± 1 m



DGS
audio

Phono & Guitar Cable

25

DGS-1



Industrial standard high quality unbalanced audio cable with noise protecting conductive plastic layer (3) to eliminate microphonics caused by 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.

OEM available!

1	Jacket	PVC, \varnothing 6.0 mm, max.
2	Shield	OF Copper wires (0.10 mm), 100% coverage
3	Layer	PVC, conductive
4	Insulation	foam-PE, \varnothing 1.48 mm
5	Conductor	Stranded bare OF copper wires, 7x0.20 mm (0.22 mm ²)

Conductor resistance	< 85 Ohm /km
Shielding resistance	< 40 Ohm /km
Insulation resistance	> 1 GOhm /km
Capacitance	< 111 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
60001	DGS-1	6.0	red	100 m	4.5 kg	4 x 100 m
60004	DGS-1	6.0	blue	100 m	4.5 kg	4 x 100 m
60005	DGS-1	6.0	yellow	100 m	4.5 kg	4 x 100 m
60008	DGS-1	6.0	black	100 m	4.5 kg	4 x 100 m

economical construction

single shielded

The European Choice in Professional Audio Wiring

single shielded

Unbalanced cable for guitar or phono interconnect leads

Construction

Technical Specifications

Ordering Data



DGS
audio

DGS-2



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

1	Jacket	PVC, \varnothing 6.0 mm, max.
2	Shield	OF Copper wires (0.10 mm), 100% coverage
3	Filling material	Viscose
4	Insulation	PE, \varnothing 1.50 mm
5	Conductor	Stranded bare OF copper wires, 28x0.10 mm (0.22 mm ²)

Conductor resistance	< 85 Ohm /km
Shielding resistance	< 35 Ohm /km
Insulation resistance	> 200 MOhm /km
Capacitance cond /cond	< 62 nF /km
Capacitance cond /shield	< 116 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
70101	DGS-2	6.0	red	100 m	4.5 kg	4 x 100 m
70104	DGS-2	6.0	blue	100 m	4.5 kg	4 x 100 m
70106	DGS-2	6.0	yellow	100 m	4.5 kg	4 x 100 m
70108	DGS-2	6.0	black	100 m	4.5 kg	4 x 100 m

All Gotham Cables are RoHS compliant!



DGS
audio

Installation Cables

27

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.

ultra flexible & economical!

1	Jacket	PVC, \varnothing 3.8 mm, max.
2	Shield	64 bare OF copper wires (0.10 mm), 100% coverage
3	Insulation	PE, \varnothing 1.15 mm, conductors red and white wrapped
4	Conductor	Stranded bare OF copper wires, 25x0.10 mm (0.20 mm ²)

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 40 Ohm /km
Capacitance cond /cond	< 75 nF /km
Capacitance cond /shield	< 130 nF /km
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
40301	DGS-2/1	3.8	black	300 m	5.2 kg	4 x 300 m

All Gotham Cables are RoHS compliant!

single shielded

The European Choice in Professional Audio Wiring

single shielded

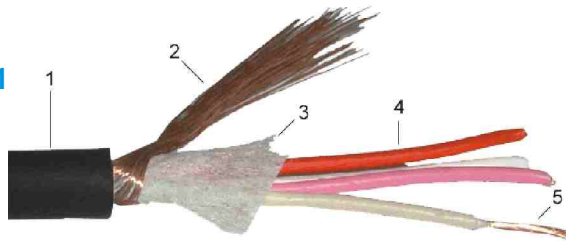
Installation cable with small diameter

Construction

Technical Specifications

Ordering Data

DGS-4/1

DGS
audio

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, \varnothing 5.0 mm, grey (dark)
2	Shield	Tinned OF copper wires (0.10 mm), 100% coverage
3	Viscose fiber coat	Counter wrapped to the quad twisted element
4	Insulation	PE, \varnothing 1.20 mm, white, ivory, pink and red, quad twisted
5	Conductor	Stranded bare OF copper wires, 7x0.20 mm (0.22 mm ²)

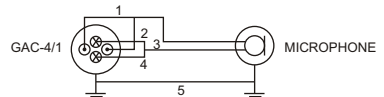
Technical Specifications

Conductor resistance	< 83 Ohm /km
Shielding resistance	< 40 Ohm /km
Capacitance cond /cond	< 40 nF /km
Capacitance cond /shield	< 101 nF /km
Side circuit capacitance	55 pF /m
Side circuit capacitance	135 pF /m
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
41001	DGS-4/1	5.0	black	100 m	4.5 kg	4 x 100 m

economical Star Quad



DGS audio

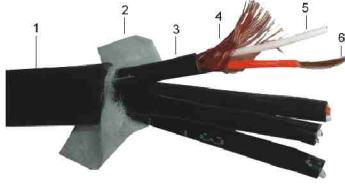
Multipair "Snake"

DGS Multipair

Shown

DGS-24pair

34024



> individual jacket numbered 1-xx for ID

Construction of one pair:



	34004	34008	34016	34024	34048
1 Jacket, PVC, black	ø 10.0 mm	ø 13.0 mm	ø 18.0 mm	ø 23.0 mm	ø 30.0 mm
2 Viscose fiber coat					
3 Jacket	PVC black, ø 3.30 mm (numbered)				
4 Shield	64 bare OF copper wires (0.10 mm), 100% coverage				
5 Insulation	PE, ø 1.15 mm, conductors red and white wrapped				
6 Conductor	Stranded bare OF copper wires, 25x0.10 mm (0.20 mm ²)				

Conductor resistance	< 92 Ohm /km
Shielding resistance	< 40 Ohm /km
Capacitance cond /cond	< 75 nF /km
Capacitance cond /shield	< 130 nF /km
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



A



B



C



D



E

most flexible !

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Picture
34004	DGS-4pair	10.0	black	max. 300 m	40.0 kg	A
34008	DGS-8pair	13.0	black	max. 200 m	40.0 kg	B
34016	DGS-16pair	18.0	black	max. 150 m	55.0 kg	C
34024	DGS-24pair	23.0	black	max. 100 m	55.0 kg	D
34048	DGS-48pair	30.0	black	max. 100 m	92.0 kg	E

sold per m-e-t-e-r!



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



SONIFEX

DPA
MICROPHONES

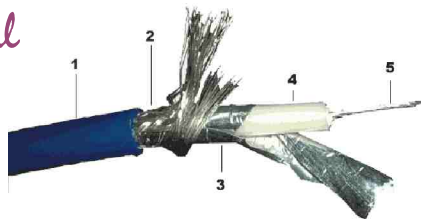
lexicon

Gotham live





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".

75 Ω

SILVER

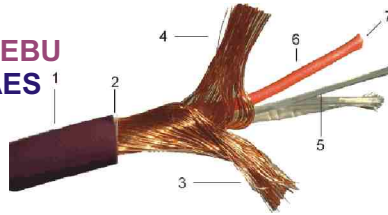
1	Jacket	PVC, ø 5.6 mm, max., ultrablue
2	Shield No. 1	Braiding with silver coated OF copper wires (0.10 mm)
3	Shield No. 2	Aluminium Polyester foil
4	Insulation	Foam skin PE, 3.75 mm
5	Conductor	Silver coated OF copper wires, 7x0.25 mm (0.34 mm ²)

Conductor resistance	< 56 Ohm /km
Attenuation at 1 MHz	< 1.0 dB /100 m
Attenuation at 6 MHz	< 2.5 dB /100 m
Insulation resistance	> 10 GOhm /km
Capacitance	< 56 nF /km
Charact. impedance at 1-6 MHz	75 Ohms
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10070	GAC-1 S/PDIF-Pro	5.6	ultrablue	100 m	4.5 kg	4 x 100 m

the perfect digital audio cable!

GAC-2/mini AES/EBU GAC-2/mini CE AES



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.

110 Ω

PVC or FRNC*

Construction

1	Jacket 10620	PVC, ø 3.6 mm, purple
1	Jacket 10640*	Polyolefine, ø 3.6 mm, dark blue >FRNC
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Cord (2)	"PE", quad twisted with two conductors
6	Insulation	Scum PE (foam skin), ø 1.15 mm, white and red
7	Conductor	Stranded tinned OF copper wires, 19x0.10 mm (0.15 mm ²)

the perfect patch cable!

Technical Specifications

Conductor resistance	< 115 Ohm /km
Attenuation at 1 MHz	30 dB /km
Shielding resistance	< 35 Ohm /km
Impedance	110 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance	< 48 nF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

ultra flexible but impedance stabilized

Ordering Data

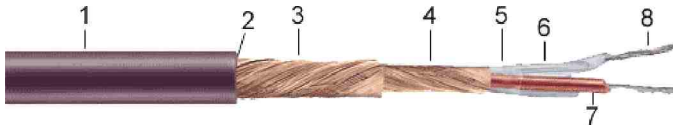
Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10620	GAC-2/mini AES/EBU	3.6	purple	200 m	5.1 kg	4 x 200 m
* 10640	GAC-2/mini CE AES	3.6	dark blue	200 m	5.1 kg	4 x 200 m

* Flame Retarded Non Corrosive = Flame retarded per IEC-332-1 test standard - **type 10640**



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).

110 Ω

1	Jacket	PVC, ø 6.0 mm, purple
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Stabilisation	PVC foil
6	Cord (2)	"PE", quad twisted with two conductors
7	Insulation	Scum-PE, ø 2.00 mm, white and red
8	Conductor	Stranded tinned OF copper wires, 7x0.25 mm (0.34 mm ²)

Conductor resistance	< 57.5 Ohm /km
Attenuation at 1 MHz	2 dB /100 m
Capacitance at 800 Hz	< 44 nF /km
Capacitance cond /cond	< 105 nF /km
Insulation resistance	> 10 GOhm /km
Impedance at 1-6 MHz	110 Ohm
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10601	GAC-2 AES	6.0	purple	200 m	10.4 kg	2 x 200 m

ideal for digital XLR cables



digital

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.

110 Ω

DMX

1	Jacket	PVC, ø 3.6 mm, black
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare OF copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare OF copper wires (0.10 mm), 100% coverage
5	Cord (2)	"PE", quad twisted with two conductors
6	Insulation	Scum "PE" (foam skin), ø 1.15 mm, white and red
7	Conductor	Stranded tinned OF copper wires, 19x0.10 mm (0.15 mm ²)

Conductor resistance	< 115 Ohm /km
Shielding resistance	< 20 Ohm /km
Attenuation at 1 MHz	< 3 dB /100 m
Impedance	110 Ohm
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance	< 50 nF /km
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

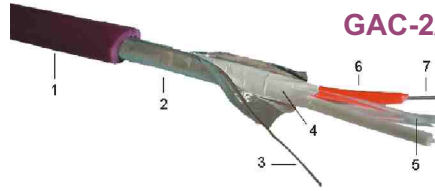
Same construction 110 Ohm cables for digital audio available. Refer to part nr 10620/10640, page 32!

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10630	GAC-2 DMX	3.6	black	200 m	5.1 kg	4 x 200 m

DMX and AES compatible!



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).

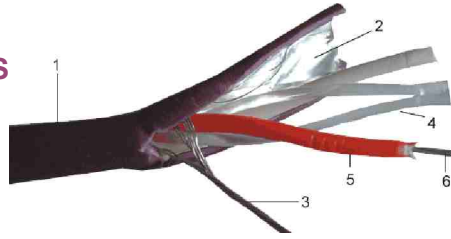
110 Ω

1	Jacket	PVC, ø 4.5 mm, purple
2	Foil shield	PVC-coated Aluminium foil
3	Drain wire	0.40 mm tinned OF copper wire
4	Stabilisation	PE foil
5	Cord (2)	PVC-strand, ø 1.30 mm, quad twisted with conductors
6	Insulation	Foam-skin PE, ø 1.30 mm, red and white
7	Conductor	Solid tinned OF copper wire, 0.50 mm (0.19 mm ²)

Conductor resistance	< 98 Ohm /km
Attenuation at 1 MHz	2,5 dB /100 m
Attenuation at 6 MHz	6,5 dB /100 m
Capacitance	< 55 nF /km
Insulation resistance	> 10 GOhm /km
Charact. impedance at 1-6 MHz	110 Ohm
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10652	GAC-2/foil AES/EBU	4.5	purple	200 m	5.6 kg	4 x 200 m

All Gotham Cables are RoHS compliant!

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.

110 Ω**FRNC***

Construction

1 Jacket	Polyolefin, ø 4.6 mm, purple
2 Shield No. 1	PVC coated Aluminium foil
3 Shield No. 2	Tinned OF copper wires, ø 0.15 mm
4 Cord (2)	PE, quad twisted with two conductors
5 Insulation	Foam skin "PE", ø 1.55 mm, white and red
6 Conductor	Stranded tinned OF copper wires, 7x0.20 mm (0.22 mm ²)

Technical Specifications

Conductor resistance	< 85 Ohm /km
Insulation resistance	< 10 GOhm /km
Attenuation at 1 MHz	< 3.5 dB /100 m
Attenuation at 6 MHz	< 7.0 dB /100 m
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance cond /cond	< 50 nF /km
Capacitance cond /shield	< 95 nF /km
Characteristic impedance	110 Ohm
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Halogen free

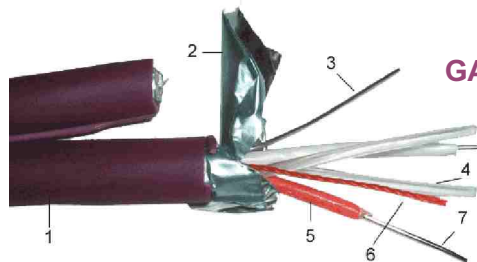
Ordering Data

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
10660	GAC-2 CE AES	4.6	purple	400 m	21.1 kg	2 x 400 m

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



digital



**GAC-2pair foil
AES/EBU**

37

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).

110 Ω

1	Jacket	PVC, ø 4.5 mm, purple
2	Shield & Stabilisation	PVC-coated Aluminium foil
3	Drain wire	Tinned OF copper wire, ø 0.40 mm
4	Cord (2)	"PP", quad twisted with 2 conductors
5	Insulation	Foam skin "PE", ø 1.30 mm, red and white
6	Identification string	red (right) or yellow (left)
7	Conductor	Solid tinned OF copper wire, ø 0.50 mm (0.19 mm ²)

Conductor resistance	< 98 Ohm /km
Attenuation at 1 MHz	< 2.5 dB /100 m
Attenuation at 6 MHz	< 6.5 dB /100 m
Insulation resistance	< 10 GOhm /km
Capacitance	< 40 nF /km
Characeristic impedance	110 Ohm
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

2x AES - 4 channels!

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
16302	GAC-2pair foil AES/EBU	9.2x4.5	purple	200 m	5.6 kg	2 x 200 m

All Gotham Cables are RoHS compliant!

GAC foil AES/EBU Multicore

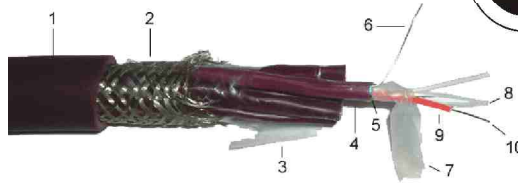


digital

Shown

GAC-8pair
AES/EBU

16308



110 Ω

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.

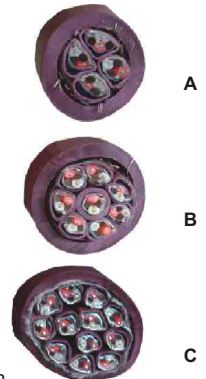
Aluminium-foil is melt with jacket for easy removal of the shield with one handling. Drain wire for quick ground connection. Solid tinned wire connection to IDT strips (such as Krone).

Construction of one pair:



1	Jacket	PVC, purple
2	Shield	Braiding with tinned OF copper wires
3	Separation	PVC foil
4	Jacket	PVC, ø 4.5 mm, purple
5	Shield	Aluminium-foil
6	Drain wire	Solitt tinned OF copper wire, ø 0.40 mm
7	Stabilisation	PE foil
8	Cord (2)	PVC-strand, ø 1.30 mm, quad twisted with 2 conductors
9	Insulation	Foam-skin PE, ø 1.30 mm, red and white
10	Conductor	Solid tinned OF copper wire, ø 0.50 mm (0.19 mm ²)

Conductor resistance	< 98 Ohm /km
Attenuation at 1 MHz	< 2.5 dB /100 m
Attenuation at 6 MHz	< 6.5 dB /100 m
Insulation resistance	> 10 GOhm /km
Capacitance	< 40 nF /km
Characteristic impedance	110 Ohm ±2%
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C



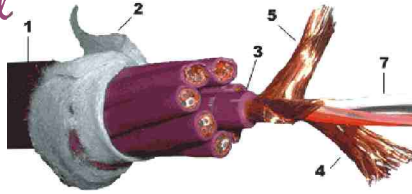
¹⁾ continuous metering indication prints on all multipair cables for easy length verification

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Picture
¹⁾ 16304	GAC-4pair foil AES/EBU	13.0	purple	250 m	35.0 kg	A
¹⁾ 16308	GAC-8pair foil AES/EBU	17.0	purple	150 m	42.0 kg	B
¹⁾ 16312	GAC-12pair foil AES/EBU	19.5	purple	150 m	63.0 kg	C

sold per m-e-t-e-r!



digital



AES/EBU Mini-Multicore

Shown

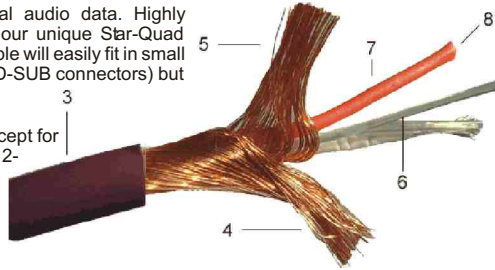
GAC-8pair mini
AES/EBU

16508

110 Ω

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 numerical 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 3.6 mm
4	Shield No. 1	Bare OF copper wire (0.10 mm), 100% coverage
5	Shield No. 2	Bare OF copper wire (0.10 mm), 100% coverage
6	Cord (2)	"PP", quad twisted with 2 conductors
7	Insulation	Scum-PP, ø 1.15 mm, white and red
8	Conductor	Stranded tinned OF copper wires, 19x0.10 mm (0.15 mm ²)

Conductor resistance	< 115 Ohm /km
Shield resistance	< 20 Ohm /km
Capacitance	< 40 nF /km
Impedance	110 Ohm
Attenuation at 1 MHz	< 3 dB /100 m
Attenuation at 6 MHz	< 7.5 dB /100 m
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

ultra flexible !

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

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Picture
¹⁾ 16504	GAC-4pair mini AES/EBU	11.0	purple	250 m	44.8 kg	A
¹⁾ 16508	GAC-8pair mini AES/EBU	15.0	purple	200 m	69.0 kg	B
¹⁾ 16512	GAC-12pair mini AES/EBU	18.0	purple	200 m	82.0 kg	C

sold per m-e-t-e-r!

Multipair cable with foil shield

Construction

Technical Specifications

Ordering Data



A



B



C

GAC Halogenfree Digital Multipair Cable

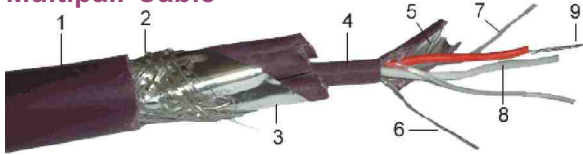


digital

Shown

GAC-4pair
CE AES/EBU

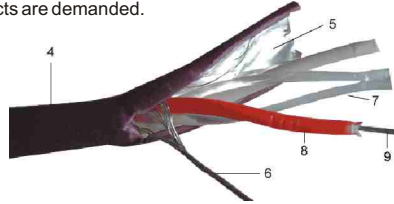
16604



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 OF copper wires (0.10 mm)
3	Shield No. 2	Aluminium foil

4	Jacket	Polyolefine, \varnothing 4.6 mm max., purple
5	Shield No. 3	Aluminium foil
6	Shield and drain wire	Tinned OF copper wires, \varnothing 0.15 mm
7	Stabilisation cords (2)	PE, quad twisted with two conductors
8	Insulation	Foam-Skin "PE", \varnothing 1.55 mm, white and red
9	Conductor	Stranded tinned OF copper wires, 7x0.20 mm (0.22 mm ²)



A



B



C



D

Conductor resistance	< 85 Ohm /km
Insulation resistance	> 10 GOhm /km
Attenuation at 1 MHz	< 3.5 dB /100 m
Attenuation at 6 MHz	< 7.0 dB /100 m
Test voltage cond /cond	500 V eff.
Test voltage cond /shield	2000 V eff.
Capacitance cond /cond	< 50 nF /km
Capacitance cond /shield	< 95 nF /km
Characteristic impedance	110 Ohm \pm 2%
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	\varnothing mm	Colour	Spool Size	Weight /Spool	Picture
¹⁾ 16602	GAC-2pair CE AES/EBU	12.5	purple	200 m	35.0 kg	A
¹⁾ 16604	GAC-4pair CE AES/EBU	12.7	purple	max. 250 m	42.0 kg	B
¹⁾ 16608	GAC-8pair CE AES/EBU	16.5	purple	max. 150 m	63.0 kg	C
¹⁾ 16612	GAC-12pair CE AES/EBU	20.5	purple	max. 200 m	84.0 kg	D

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



leads
digital

110 Ω / 75 Ω

Gotham assembled cable leads

innovative

We offer now made-up cable leads assembled in our own service lab or assembled at an institution for special care where special educated persons are making this work under control and supervision of Gotham technical staff. We use Switchcraft, Amphenol and Deltron connectors as prime source since we are having lots of stock of these connectors. Naturally are we able and willing to use connectors to your preferences and taste. Our listed standard cables are available in short notice in smaller quantities. Contact us for your volume price and possible delivery time.

Gotham does not support the "religious" HiFi - cables floating the consumer market with exorbitant priced wild constructions offering nothing but high prices but no benefit to the sound. There is no good sound caused by any cable. Best thing one can do, is to transport the signal w/o changing it from its origin characteristics. And this is achieved by using best possible shielding as 1st priority. This is the Gotham Cable philosophy.

Find below our recommendation for Audio, Video and digitalAudio connection leads. The prices indicated are valid even w/o a minimum order. Standard Pro, Dealer and Distributor discounts and possible volume discounts do apply. Other connectors (1/4" jack, right angle XLR, female phono etc.) are available as well. Just specify the connection you need and we shall quote you the best solution. Ask for your individual quotation.

The perfect solution you need

The European Choice in Professional Audio Wiring

Digital audio interconnects cables for the AES-EBU format. Such cables are having big potential to generate jitter to the audio signal. This can be caused by multiple mismatches on the cable runs. These mismatches (changed impedances) are controlled on our AES cables with the 2 stabilization strand wound together with the 2 connectors carrying the actual signal. Gold plated state of the art connectors (QGP) are recommended by Gotham for this application. More economical leads using silver contact connectors are available on request.

GAC-2 AES

QGP M-F gold pro

A3FBAU-A3MBAU gold

Cable with connector



Order No.	Type	#	Connector	Length	Variants
41100130	GAC-2 AES	10601	QGP M-F gold pro	3.0 m	± 1 m
41100230	GAC-2 AES	10601	A3FBAU-A3MBAU gold	3.0 m	± 1 m

AES-EBU 110 Ohm format, digital audio cable, low attenuation, 6,0mm Ø. Purple cable colour only.

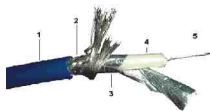
AES/EBU

Unbalanced digital, audio signal leads with precise 75 ohm impedance cables. Perfect for S/PDIF signals. Low attenuation by using real silver coated conductor and shield. Attractive and very compact phonoplug (gold plated).

GAC-1 S/PDIF Pro

Deltron 346 Serie gold

Cable with connector



Order No.	Type	#	Connector	Length	Variants
41100630	GAC-1 S/PDIF Pro	10070	Deltron 346 Serie gold	3.0 m	± 1 m

S/PDIF Format. Silver-plated cable conductor and shield. **75 ohm**, 5,6mm Ø. Gold plated Deltron RCA plug (blue). Marine blue cable colour only.

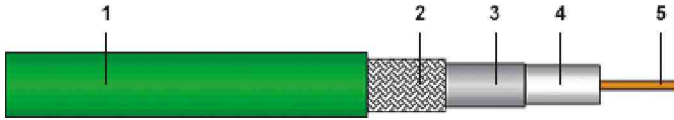
innovative

S/PDIF



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).

Swiss Broadcasters approved

1	Jacket	PVC, \varnothing 4.5 mm, green RAL 6018
2	Shield No. 1	Braiding with tinned OF copper wire (0.10 mm), coverage min. 91%
3	Shield No. 2	Aluminium foil
4	Insulation	Foam-PE, \varnothing 2.80 mm
5	Conductor	Solid bare OF copper wire, 0.60 mm

Conductor resistance	<	61 Ohm /km
Attenuation	at	1 MHz < 1.2 dB /100 m
	at	5 MHz < 2.5 dB /100 m
	at	30 MHz < 5.9 dB /100 m
	at	100 MHz < 10.2 dB /100 m
	at	200 MHz < 14.6 dB /100 m
	at	800 MHz < 31.5 dB /100 m
	at	1000 MHz < 35.3 dB /100 m
	at	1500 MHz < 43.2 dB /100 m
Insulation resistance	>	10 GOhm /km
Capacitance	<	56 nF /km
Charact. impedance at 200 MHz		75 Ohm \pm 2%
Temperature range (flex)		- 5° to +50° C
Temperature range (fix)		-30° to +70° C

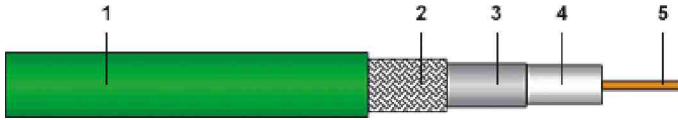
Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
03450	GVC-1 06 AF PVC	4.5	green	300 m	8.1 kg	2 x 300 m

assembled BNC cables
found on page 23!



video

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).



Halogen free

1	Jacket	Polyolefine FRNC, \varnothing 4.5 mm, green RAL 6018
2	Shield No. 1	Braiding with tinned OF copper wire (0.10 mm), coverage min. 91%
3	Shield No. 2	Aluminium foil
4	Insulation	Foam-PE, \varnothing 2.80 mm
5	Conductor	Solid bare OF copper wire, 0.60 mm

All Gotham Cables are RoHS compliant!

Conductor resistance	<	61 Ohm /km
Attenuation	at	1 MHz < 1.2 dB /100 m
	at	5 MHz < 2.5 dB /100 m
	at	30 MHz < 5.9 dB /100 m
	at	100 MHz < 10.2 dB /100 m
	at	200 MHz < 14.6 dB /100 m
	at	800 MHz < 31.5 dB /100 m
	at	1000 MHz < 35.3 dB /100 m
	at	1500 MHz < 43.2 dB /100 m
Insulation resistance	>	10 GOhm /km
Capacitance	<	56 nF /km
Charact. impedance at 200 MHz		75 Ohm \pm 2%
Temperature range (flex)		- 5° to +50° C
Temperature range (fix)		-30° to +70° C

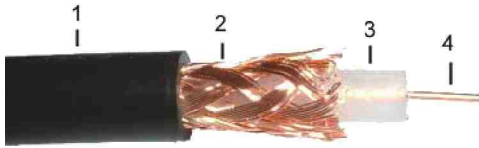
Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
03451	GVC-1 06 AF FRNC	4.5	green	300 m	8.4 kg	2 x 300 m

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



video

GVC-1 RG59 B/U



Flexible PVC video cable for all application, especially patch cables.

Economical construction as per RG59 standard.

75 Ω

FRNC Video cable

Construction

- | | | |
|---|--------------|--|
| 1 | Jacket | PVC, \varnothing 6.15 mm \pm 0.1 mm, black |
| 2 | Shield No. 1 | Braiding with bare OF copper wire (0.16 mm), coverage min. 95% |
| 3 | Insulation | LDPE, \varnothing 3.70 mm |
| 4 | Conductor | 40% conductivity copper clad steel wire, \varnothing 0.58 mm |

Technical Specifications

Conductor resistance	< 152.4 Ohm /km
Attenuation at 400 MHz	< 29.6 dB /100 m
Insulation resistance	> 10 GOhm /km
Capacitance	< 67.3 nF /km
Charact. impedance at 200 MHz	75 Ohm \pm 3 Ohm
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

Ordering Data

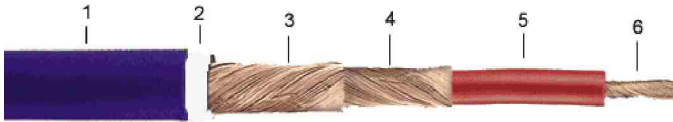
Order No.	Type	\varnothing mm	Colour	Spool Size	Weight /Spool	Shipping Unit
02980	GVC-1 RG59	6.15	black	100 m	6.0 kg	4 x 100 m

**assembled video cables
found on page 23!**



audio

Speaker Cables

GAC SPK 2x2.5 mm²

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.

PUR-Jacket

1	Jacket	PUR, ø 6.8 mm, blue (dark)
2	Separation	PVC, ø 6.1 mm, white
3	Conductor 1A	Bare OF copper wires (2.50 mm ²), 100% coverage
4	Conductor 1B	Bare OF copper wires (2.50 mm ²), 100% coverage
5	Insulation	PVC, ø 4.0 mm, red
6	Conductor	(OFC) Stranded bare OF copper wires, 50x0.25 mm (2.50 mm ²)

LCOF-Copper

Center conductor resistance	< 7.6 Ohm /km
Shielding resistance	< 7.8 Ohm /km
Capacitance cond /cond	< 98 nF /km
Test voltage cond /cond	800 V eff.
Insulation resistance cond /shield	> 200 MOhm /km
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
¹⁾ 50150	GAC-SPK 2x2.5 mm ²	6.8	blue	200 m	19.2 kg	1 x 200 m

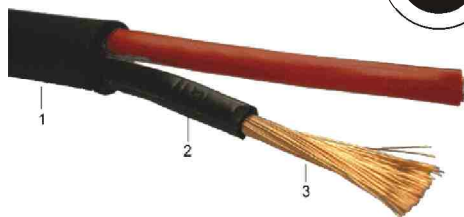
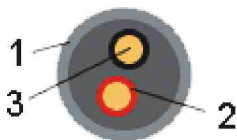
All Gotham Cables are RoHS compliant!

Speaker Cables

SPK 2x1.0 mm²
SPK 2x1.5 mm²



audio



High flexible speaker cable for power amplifiers up to 150 or 300 watts, 100 volts installations, power mixers, voice and instrument amplifiers may be transmitted safely with this conductor size of 1.0 mm² or 1.5 mm²

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

LCOF-Copper

PVC*
flame retarded

SPK 2x1.0 mm²

- | | |
|--------------|--|
| 1 Jacket | PVC, ø 5.8 mm, black |
| 2 Insulation | PVC, ø 2.2 mm, black and red |
| 3 Conductor | (OFC) Stranded bare OF copper wires, 56x0.15 mm (1.00 mm ²) LCOF |

SPK 2x1.5 mm²

- | | |
|--------------|--|
| 1 Jacket | PVC, ø 7.0 mm, black |
| 2 Insulation | PVC, ø 2.8 mm, black and red |
| 3 Conductor | (OFC) Stranded bare OF copper wires, 84x0.15 mm (1.50 mm ²) LCOF |

SPK 2x1.0 mm²

- | | |
|------------------------|----------------|
| Conductor resistance | < 19.5 Ohm /km |
| Capacitance cond /cond | < 125 nF /km |

SPK 2x1.5 mm²

- | | |
|------------------------|----------------|
| Conductor resistance | < 11.9 Ohm /km |
| Capacitance cond /cond | < 113 nF /km |

- | | |
|--------------------------|----------------|
| Test voltage cond /cond | 2000 V eff. |
| Temperature range (flex) | - 5° to +50° C |
| Temperature range (fix) | -30° to +70° C |

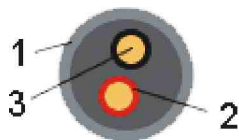
¹⁾ continuous metering indication prints on all multipair cables for easy length verification

Order No.	Type	ø mm	Colour	Spool Size	Weight /Spool	Shipping Unit
¹⁾ 50010	SPK 2x1.00 mm ²	5.8	black	200 m	11.5 kg	2 x 200 m
¹⁾ 50015	SPK 2x1.50 mm ²	7.0	black	150 m	12.0 kg	2 x 150 m

* Flameretarded PVC, IEC 60332-3



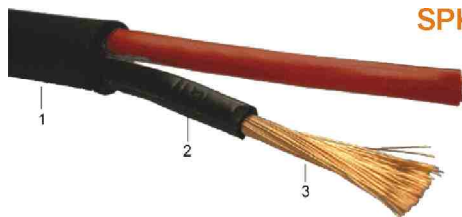
audio



Speaker Cables

47

SPK 2x2.5 mm²
SPK 2x4.0 mm²



High flexible speaker cable for power amplifiers up to 1000 or 4000 watts. Strands of 0.15 mm bare copper wires, fine stranding for best flexibility but still affordable price.

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

LCOF-Copper



SPK 2x2.5 mm²

1 Jacket	PVC, ø 8.0 mm, black
2 Insulation	PVC, ø 3.2 mm, black and red
3 Conductor	(OFC) Stranded bare OF copper wires, 140x0.15 mm (2.50 mm ²) LCOF

SPK 2x4.0 mm²

1 Jacket	PVC, ø 9.4 mm, black
2 Insulation	PVC, ø 3.9 mm, black and red
3 Conductor	(OFC) Stranded bare OF copper wires, 7x (32x0.15 mm (4.0 mm ²) LCOF

SPK 2x2.5 mm²

Conductor resistance	< 7.3 Ohm /km
Capacitance cond /cond	< 99 nF /km

SPK 2x4.0 mm²

Conductor resistance	< 4.65 Ohm /km
Capacitance cond /cond	< 142 nF /km

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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
¹⁾ 50025	SPK 2x2.50 mm ²	8.0	black	100 m	11.0 kg	2 x 100 m
¹⁾ 50040	SPK 2x4.0 mm ²	9.4	black	100 m	16.5 kg	1 x 100 m

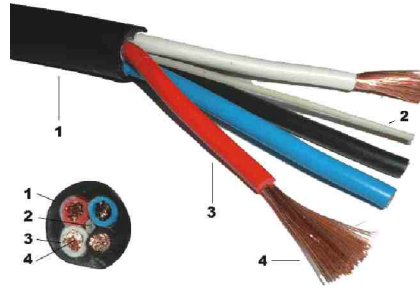
* Flameretarded PVC, IEC 60332-3

Speaker Cables



audio

SPK 4x2.5 mm²



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.

All Gotham Cables are RoHS compliant!



1	Jacket	PVC, ø 9.6 mm, black
2	Filling material	
3	Insulation	PVC, ø 3.2 mm, black, red blue and white
4	Conductor	(OFC) Stranded bare OF copper wires, 140x0.15 mm (2.50 mm ²) LCOF

LCOF-Copper

Conductor resistance	< 7.3 Ohm /km
Capacitance cond /cond	< 115 nF /km
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 mm	Colour	Spool Size	Weight /Spool	Shipping Unit
¹⁾ 54025	SPK 4x2.50 mm ²	9.6	black	200 m	33.8 kg	1 x 200 m

* Flameretarded PVC, IEC 60332-3

Shipping Units

Per meter



Standard spools
1 x HS-400 ø 40cm
wooden spool with variable width



Standard spools
1 x HS-600 ø 60cm
wooden spool with variable width



Shipping Unit "A" 4 x EW250
EW250 = plasticspool ø 250mm
Dimension of carton in cm: 55 x 28 x 28



Shipping Unit "B" 2 x H-327
H-327 = hardcardboard / woodenspool ø 327mm
Dimension of carton in cm: 35 x 29 x 35



Take your choice
Gotham Audio
is the best audio partner
you can find!

! No minimum order !

...

You can buy
all our cables
by the meter

...

! All Gotham Cables are RoHS compliant !



direct

Gotham warehouses

All Gotham Cables are RoHS compliant!

Swiss warehouse

Gotham AG

Swiss distributor (domestic sales)

Heimstrasse 25

CH-8953 Dietikon, Switzerland

phone +41 (0) 44 840 01 44 sales/stock

fax +41 (0) 44 744 25 22

email: info@gotham.ch

> sales per meter and per spool <



German warehouse

Gotham export logistics center

GAC Trading AG c/o

Streck Transport

Blankreutestrasse 6

D-79108 Freiburg, Germany

phone +41 (0) 44 840 01 44 sales/stock

UID Nr. : DE 813090834

VAT Nr: 09409/02608

email: GAC@uitikon.ch

> sales per shipping unit only <



US warehouse

Sales office US-Canadian distribution

Gotham Audio LLC

Lewis Frisch

P.O. Box 111

141 E. Center Street

Nazareth, PA 18064 USA

phone +1 610 746-9342

fax +1 610 746-9360

email: lewis@gothamaudioussa.com

> sales per ft, meter and spools <





About us

30 years of Audio Cables competence

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 headquarters in Dietikon (near Zurich) can accommodate smaller orders for samples and consolidation orders with other products.

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, 2006

Gotham Audio Cables

www.gotham.ch



V2

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Office USA:

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