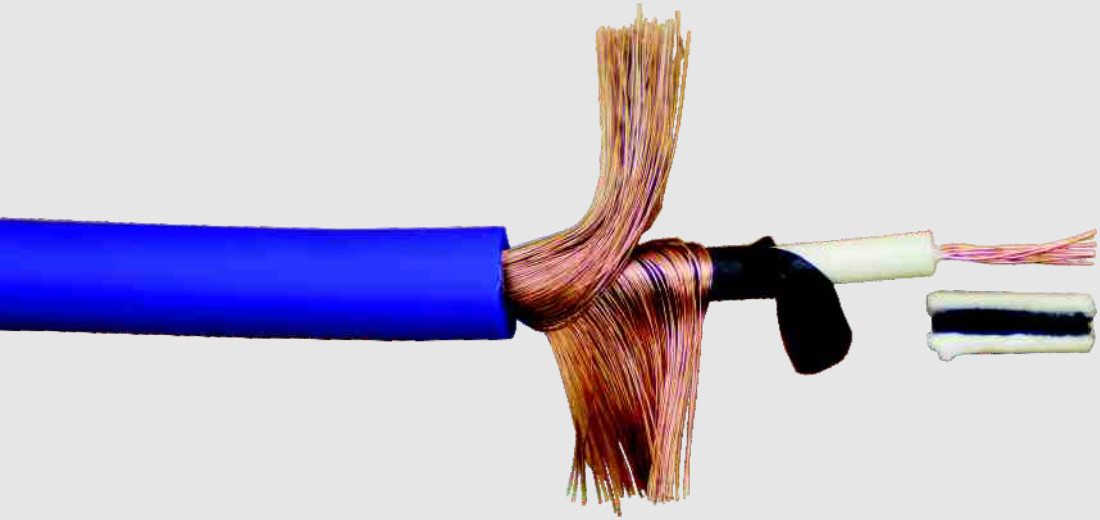
Gotham Cable®



metric english V3

Franz R. Ammann
President of the
Gotham Organisation

Over 40 years of Audio Cables Excellence, 59 years of Mark of Excellence

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 concept»; 2 layers of 100 % coverage wound in opposite directions will give superb shielding and 100% coverage even if the cable is bent and constantly moved.

One step further, in 2013 we developed another level on shielding, by introducing our exclusive Conductor Shielding concept. Each of the 2- (or 4- at star-quad) conductors is also protected with each a 100% coverage with pure copper wires. Our 11301 and 10561 cables feature also not only Double Reussen Shielding but also Conductor Shielding, which will create best possible shielding and RF protection in the industry available.

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. With our stabilisation strands wound around the 2 conductor we can achieve best possible impedance stability even if the cable is bent or moved. This concept will hold the conductors always in place in order to stabilize the impedance over the cable run, and this will benefit the signal for lesser jidder and other interferences as seen on ordinary 110 ohm cables used for DMX and AES-EBU digital signals.

In 1995, we have introduced a range of special, non-corrosive, flame retarding installation-cables, (FRNC) 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, loudspeaker cables, video cables as well as cables featuring our exclusive «Double Reussen Shielding»

In 2016 we have added a range of foil shielded Mains Power Cables for power voltages up to 230VAC. These cables will protect the surrounding of power cables, by not transmitting bad signals into signal cables nearby. In addition we developed high power ultra flexible Reussen and Petpal shielded powercables (85025/85055) for your mains power leads and power cables interconnects, to fit our new created Gotham® Connector for mains power as well.

All our cables are available also as assembled leads made-up to your desire, à la carte made in our own service lab in Dietikon. Swiss handmade quality in moderate delivery time and w/o any minimum orders or handling charges.

Gotham Audio since 1958

Please try us out ! You will come back !

Guaranteed

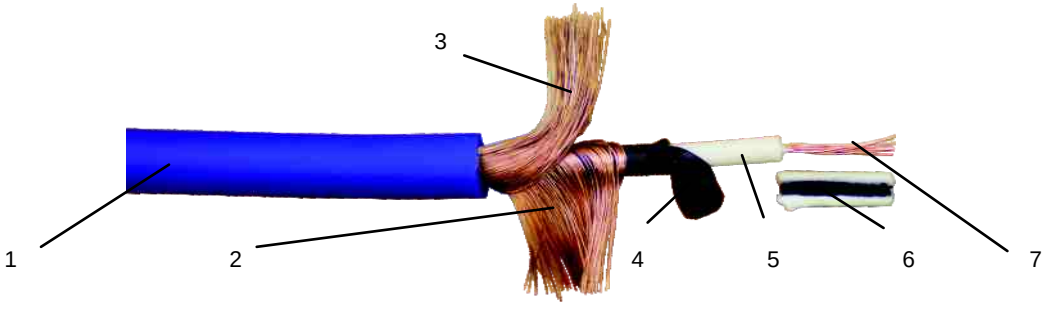
2017 V3

Content & Index

GAC-1 ultra pro double shielded (1001x)

Two major categories of noise affect all audio cables: electrical interference and microphonics. Unbalanced signal 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 static charges generated when the conductor is rubbed/moved 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, usally occurring when the cable is handled or moved. Gotham GAC-1 unbalanced cable (1000X) has been engineered to minimize these effects. With this ultra pro version we have gone one step forward by adding yet another layer of conductive plastic between the conductor (7) itself and the isolation of the conductor. Making a sandwich kind of conductive material between the 2 copper shields and the conductor isolation itself.

LCOF higher grade copper at best standards for best performance



construction

1	Jacket	PVC, ø 6.3 mm
2	Shield No. 1	90x Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	98x Bare copper wires (0.10 mm), 100% coverage
4	Layer	PVC, semiconductive black
5	Isolation	Cellular PE, ø 2.50 mm
6	Layer	PVC, semiconductive black, ø 0.75 mm
7	Conductor	Stranded bare LCOF copper wires, 7 x 0.20 mm (0.22 mm²)

specifications

Conductor resistance	<	85 Ohm /km
Shielding resistance	<	11.3 Ohm /km
Capacitance cond /shield	<	70 nF /km

Test voltage	1000 V eff. (2 minutes)
Temperature range (flex)	- 5° to +50° C
Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10011	GAC-1 ultra pro	6.3	red	100 m	4.5 kg	4 x 100 m
10012	GAC-1 ultra pro	6.3	black	100 m	4.5 kg	4 x 100 m
10018	GAC-1 ultra pro	6.3	blue	100 m	4.5 kg	4 x 100 m

GAC-1 double shielded (1000x)

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.

construction

1	Jacket	PVC, ø 5.3 mm
2	Viscose fiber coat	Counter wrapped to the shield
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Layer	PVC, conductive
6	Insulation	PE, ø 1.25 mm
7	Conductor	Stranded bare copper wires, 48 x 0.07 mm (0.19 mm²)

specifications

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

ordering data

Order No.	Type	ø mm	Color	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

DGS-1 single shielded (6000x)

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.

Check our OEM prices and special branded productions just for you!
Limited availability! Minimum order can apply!

construction

1	Jacket	PVC, ø 6.0 mm, max.
2	Shield	Bare copper wires (0.10 mm), 100% coverage
3	Layer	PVC, conductive
4	Insulation	PE, ø 1.48 mm
5	Conductor	Stranded bare copper wires, 7 x 0.20 mm (0.22 mm²)

specifications

Conductor resistance	< 85 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 40 Ohm /km	Test voltage cond/shield	1000 V eff.
Insulation resistance	> 1G Ohm /km		
Capacitance	< 111 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	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

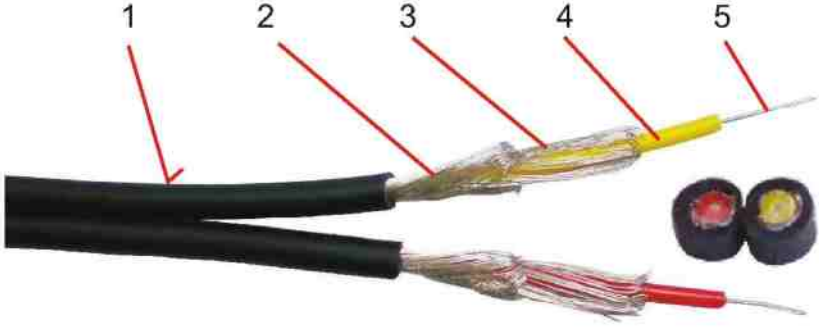
Contact us for availability. Limited stock on hand. This is not a standard stocked product. Minimum orders can apply

GAC-1 twin double shielded (12010)

Each signal line conductor 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 production, the cable is the best possible consent of reliability, flexibility and signal production. Tinned copper wires to enable easy soldering. Color coded left (yellow) and right (red) channel. Parallel joint can easy be separated to have individual lines particularly for Y-lines and adapters.

This cable can also be used for Video 75 ohm application VGA

LCOF higher grade copper at best standards for best performance



construction

1	Jacket	PVC, ø 3.8 x 7.6 mm, black
2	Shield No. 1	68 tinned copper wires SnCu (0.10 mm), 100% coverage
3	Shield No. 2	68 tinned copper wires SnCu (0.10 mm), 100% coverage
4	Insulation (cond.)	PE
5	Conductor	Stranded tinned LCOF copper wires, 7 x 0.16 mm (0.14 mm²)

specifications

Conductor resistance	< 140 Ohm /km		
Shielding resistance	< 22 Ohm /km	Test voltage	1000 V eff. C/S
Capacitance cond/cond	< 33 nF /km	Char. imped. @ 1-6 MHz	75 Ohms ±2%
Capacitance cond/shield	< 57 nF /km	Temperature range (flex)	- 5° to +50° C
Insulation resistance	> 200 MOhm /km	Temperature range (fix)	-30° to +70° C

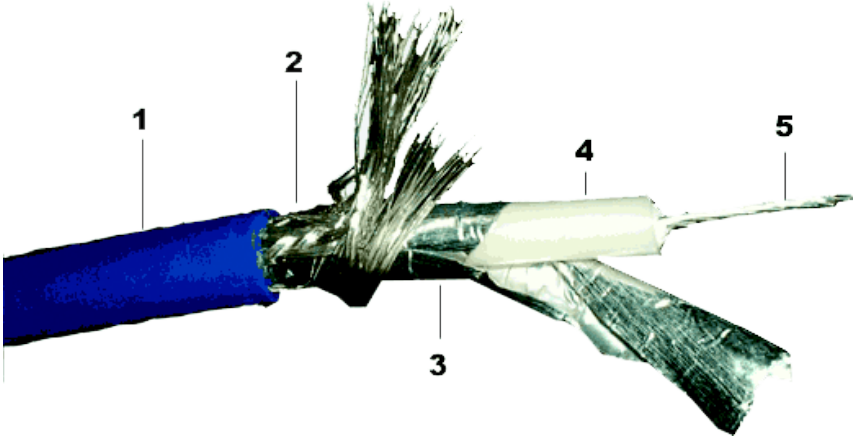
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
12010	GAC-1 Twin	3.8x7.6	black	100 m	4.7 kg	4 x 100 m

GAC-1 S/PDIF-pro digital (10070)

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 aluminum 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

construction

1	Jacket	PVC, ø 5.6 mm, ultra blue
2	Shield No. 1	Braiding with silver coated copper wires (0.10 mm)
3	Shield No. 2	Aluminum polyester foil
4	Insulation	Foam skin PE, 3.75 mm
5	Conductor	Silver coated copper wires, 7 x 0.25 mm (0.34 mm²)

specifications

Conductor resistance	<	60 Ohm /km		
Attenuation @ 1 MHz	<	1.0 db /100m		
Attenuation @ 6 MHz	<	2.5 db /100m	Char. imped. @ 1-6 MHz	75 Ohms ±2%
Insulation resistance	>	10 GOhm /km	Temperature range (flex)	- 5° to +50° C
Capacitance	<	56 nF /km	Temperature range (fix)	-30° to +70° C

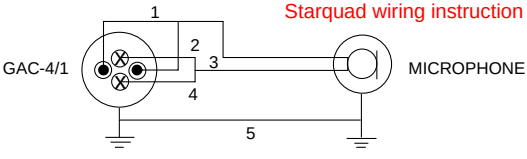
ordering data

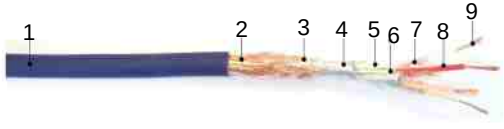
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10070	GAC-1 S/PDIF-pro	5.6	ultra blue	100 m	4.5 kg	4 x 100 m

GAC-4/1 ultra pro conductor shielded (11301)

Gotham "starquad" 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 "starquad" 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. Now we have further added another protection feature to the construction for ultimative shielding and/or 2 channels (stereo) balanced usage! 11301 is a starquad balanced single channel 5 times shielded audio cable! Ultraflexible professional audio cable for microphones. 'Double Reussen Shield', velvet matte non-light reflecting PVC-jacket material. A unique construction newly invented by Gotham design. Each of the 4 conductor is shielded with a lap shield 100% covering copper wires (7) (Reussen Shield) plus a conductive separation layer (6) (aluminum coated polyester). This conductor is twisted in starshape around conductor nr 2/3/4 and turn is hold in place with another aluminum coated layer (4), followed by Gotham's unique Double Reussen Shield. This cable is absolutely uncompromised to achive maximum shielding possible while the flexibility and durability is still very good and the cable can be used in mobile applications as well. One can also use the cable as a 2 channel balanced cable giving still perfect crosstalk and shielding of each channel!

Starquad wiring instruction





construction

1	Jacket	PVC, ø 8.80 mm, marine blue
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Layer	Polyester nonwoven thermally bonded, both sides alum. coated
5	Separation	Filler material viscose
6	Conductor shield layer	Polyester nonwoven thermally bonded, both sides alum. coated
7	Cond. copper shield	Bare copper wires (0.10 mm), 100% coverage
8	Isolation	Cellular PE, ø 2.00 mm, 4 different colors
9	Conductor	Stranded bare LCOF copper wires, 64 x 0.10 mm (4x) (0.50 mm²)

specifications

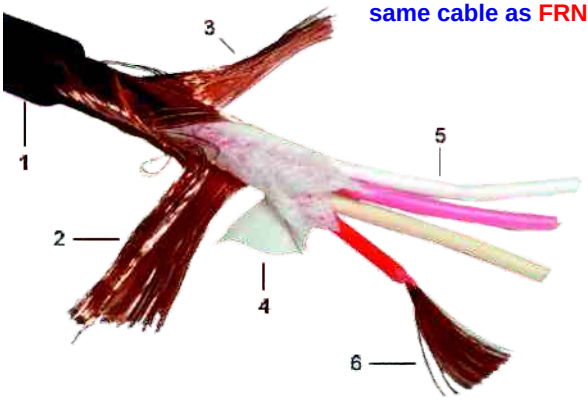
Conductor resistance	max. 39 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 28 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 50 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 103 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	130 db (> wiring)

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
11301	GAC-4/1 Ultra pro	8.8	marine blue	100 m	14.3 kg	2 x 100 m

GAC-4/1 double shielded starquad (11001)

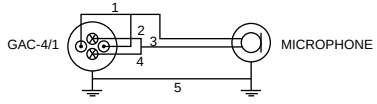
Gotham "starquad" cables are the most advanced microphone cables presently available. We have combined an ultraflexible PVC jacket, low capacitive PE insulation, "Double Reussen Shielding" and quad (4-conductor) construction for a truly professional cable at an affordable price. The "starquad" concept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



same cable as FRNC: 11201

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



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 5.4 mm, velvet black (ultrasoft)
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Viscose fiber coat	Counter wrapped to the quad twisted conductors
4	Insulation (cond.)	PE, ø 1.20 mm, white, ivory, pink and red, quad-twisted
5	Conductor	Stranded bare copper wires, 96 x 0.05 mm (0.19 mm²)

specifications

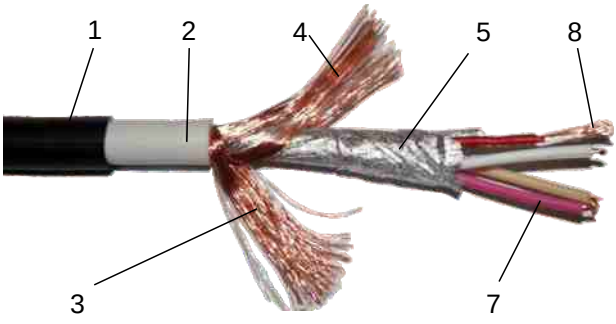
Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 55 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 103 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	130 db (see wiring)

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
11001	GAC-4/1	5.4	black	100 m	4.6 kg	4 x 100 m
11201	GAC-4/1 FRNC	5.4	black	100 m	4.6 kg	4 x 100 m

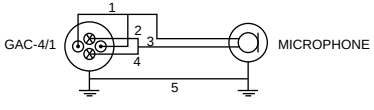
GAC-4/1 road starquad (11051)

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.



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



construction

1	PUR-Jacket	PUR, ø 7.0 mm, velvet black 0.70 mm
2	PVC-Jacket	PVC, ø 5.6 mm, white (ultrasoft) 0.80 mm
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Conductive Viscose fiber coat	PETPAL Polyester nonwoven thermally bonded, both sides alum. coated. Counter wrapped to the quad twisted conductors
6	Twisting	Four core and cotton yarns twisted together, star-quad
7	Insulation (cond.)	PP -9Y , Ø 1.4 mm, white, ivory, pink and red
8	Conductor	Strand. bare copper wires 28x0,10mm OFC Ø 0.60mm (0.28 mm²)

specifications

Conductor resistance	< 55 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 28 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 50 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 103 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	

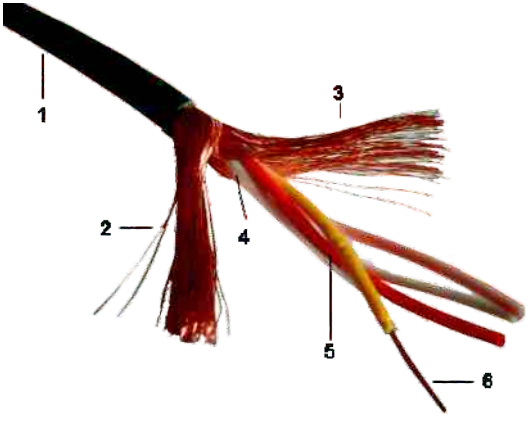
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
11051	GAC-4/1 Road	7.0	black	200 m	10.2 kg	2 x 200 m

GAC-4/1 mini double shielded starquad (10921)

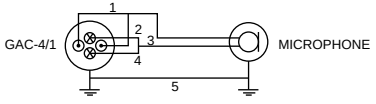
Star-Quad installation cable for use in extremely electrical noisy environments.

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".



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



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 4.7 mm, black
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Sparation	PE, foil
5	Insulation	PE, ø 1.0 mm, 4 cond., red, white, pink & yellow, quad twisted
6	Conductor	Stranded bare copper wires, 18 x 0.10 mm (0.15 mm²)

specifications

Conductor resistance	< 125 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 52 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 100 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	130 db (>wiring)

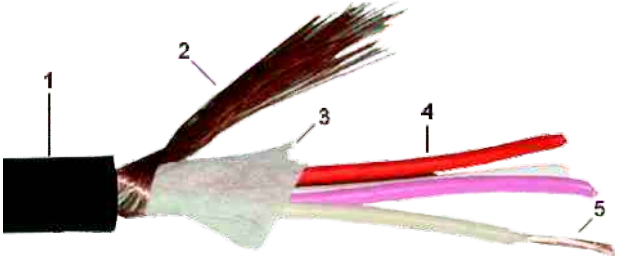
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10921	GAC-4/1 mini FRNC	4.7	black	250 m	6.4 kg	4 x 250 m

DGS-4/1 starquad installation (41001)

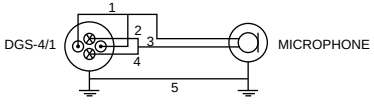
DGS "starquad" cables are the most advanced single shielded microphone cables presently available. We have combined an ultraflexible PVC-jacket, low capacitive PE insulation, "Reussen Shielding" and quad (4-conductor) construction for a truly professional cable at an affordable price.

The "starquad" 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).



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



construction

1	Jacket	PVC, ø 4.7 mm, black
2	Shield	Bare copper wires (0.10 mm), 100% coverage
3	Viscose fiber coat	Counter wrapped to the quad twisted element
4	Insulation	PE, ø 1.20 mm, white, ivory, pink and red, quad twisted
5	Conductor	Stranded bare copper wires, 7 x 0.20 mm (0.22 mm²)

specifications

Conductor resistance	< 85 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 40 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 40 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 101 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	130 db (>wiring)

ordering data

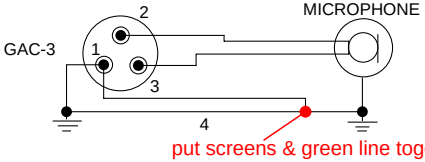
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
41001	DGS-4/1	4.7	black	100 m	3.75 kg	4 x 100 m

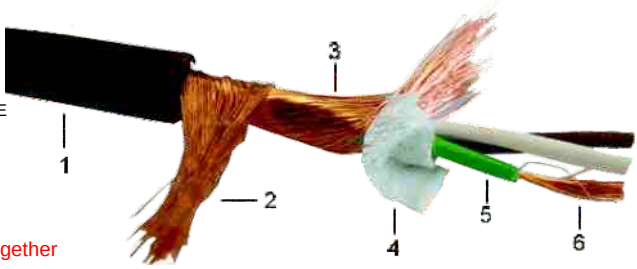
GAC-3 double shielded (1070x | 1080x)

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).

How to wire 3-conductor cables to XLR connectors





construction

1	Jacket		PVC, ø 5.0 mm (10701 - 10702)
			PVC, ø 5.8 mm (10801 - 10802)
2	Shield No. 1		Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2		Bare 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 copper wires, 96 x 0.05 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 150 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 240 nF /km	Temperature range (flex)	- 5° to +50° C
Charact. imped. @ 20 kHz	150 Ohm	Temperature range (fix)	-30° to +70° C

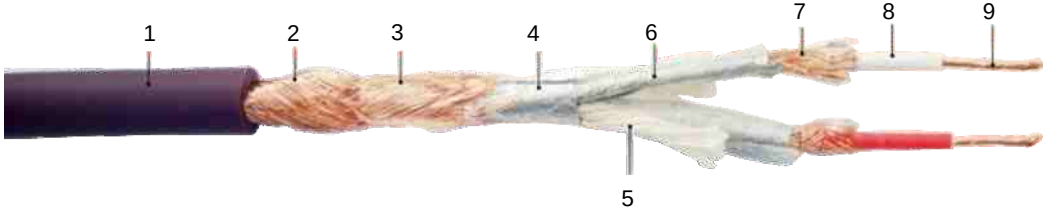
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10701	GAC-3	5.0	grey	100 m	4.1 kg	4 x 100 m
10702	GAC-3	5.0	black	100 m	4.1 kg	4 x 100 m
10801	GAC-3	5.8	black	100 m	4.5 kg	4 x 100 m
10802	GAC-3	5.8	brown	100 m	4.5 kg	4 x 100 m

GAC-2 Ultra pro conductor shielded (10561 | 10666)

Balanced 5 times shielded audio cable! Ultraflexible professional audio cable for microphones. 'Double Reussen Shield', velvet matte non-light reflecting PVC-jacket material. A unique construction invented by Gotham Audio design. Each conductor is shielded with a lap shield 100% covering copper wires (7) (Reussen Shield) plus a conductive separation layer (6) (aluminum coated polyester). This conductor is twisted around conductor no 2 and turn is hold in place with another aluminum coated layer, followed by Gotham's unique double Reussen Shield. This cable is absolutely uncompromised to achieve maximum shielding possible while the flexibility and durability is still very good and the cable can be used in mobile applications as well. The cable is built with a stable 110 ohm impedance and can be used for analog balanced audio signals as well as digital audio signals in the AES-EBU format. Ideal cable for accomodation of XLR-connectors with corresponding 8mm diameter cable claps.

Available as designated AES-EBU cable with purple color (10666)



construction

1	Jacket	PVC, max. ø 8.00 mm in marine blue |purple
2	Over all shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Over all shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Layer	PE nonwoven thermally bonded, both sides aluminum coated
5	Separation	Filter material viscose
6	Cond. shield /layer	PE nonwoven thermally bonded, both sides aluminum coated
7	Conductor shield	Bare copper wires (0.10 mm), 100% coverage
8	Isolation	Cellular PE, ø 2.00 mm, white /red
9	Conductor	Stranded bare LCOF copper wires, 64 x 0.10 mm (0.50 mm²)

specifications

Conductor resistance	max. 39 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 28 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	max. 50 nF /km	Operating voltage	low voltage
Capacitance cond/shield	135 nF /km	Temperature range (flex)	- 5° to +50° C
Impedance	110 Ohm	Temperature range (fix)	-30° to +70° C

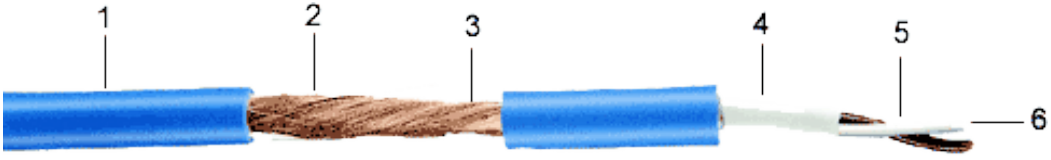
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10561	GAC-2 Ultra pro	8.0	marine blue	100 m	10.8 kg	2 x 100 m
10666	GAC-2 AES Ultra pro	8.0	purple	100 m	10.8 kg	2 x 100 m

GAC-2 double shielded high flex (1040x)

Ultraflexible professional audio cable for microphones. 'Double Reussen Shield', velvet matte non 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 (Amphenol or Switchcraft!).



construction

1	Jacket	PVC, ø 5.4 mm
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Separation	PVC, ø 3.1 mm, white tube
4	Insulation	PVC, ø 1.20 mm, white and brown, wrapped, twisted pair
5	Conductor	Stranded bare copper wires, 48 x 0.07 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 125 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 189 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10401	GAC-2	5.4	red	100 m	4.5 kg	4 x 100 m
10403	GAC-2	5.4	pink	100 m	4.5 kg	4 x 100 m
10404	GAC-2	5.4	blue	100 m	4.5 kg	4 x 100 m
10405	GAC-2	5.4	black	100 m	4.5 kg	4 x 100 m
10406	GAC-2	5.4	yellow	100 m	4.5 kg	4 x 100 m
10407	GAC-2	5.4	mint	100 m	4.5 kg	4 x 100 m
10408	GAC-2	5.4	black	300 m	15.2 kg	2 x 300 m
10409	GAC-2	5.4	black	1000 m	47.0 kg	1 x 1000 m
10412	GAC-2	5.4	green	100 m	4.5 kg	4 x 100 m

GAC-2 V1 double shielded low noise (10421)

Balanced double shielded audio cable! 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 with conductive separation tube for minimal handling noise for film microphone booms.

Similar cables are available as ultrastrong PUR (10502) version and as industrial standard cable at a lower price (10405).

LCOF higher grade copper at best standards for best performance

construction

1	Jacket	PVC, ø 5.4 mm, black
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Noise cancellation	PVC, conductive, ø 3.1 mm, black tube
5	Insulation	PE, white and brown Ø 1.2 mm, wrapped, twisted pair
6	Conductor	Stranded bare copper wires, 48 x 0.07 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 70 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 118 nF /km	Temperature range (flex)	- 5° to +50° C
Impedance	145 Ohm	Temperature range (fix)	-30° to +70° C

ordering data

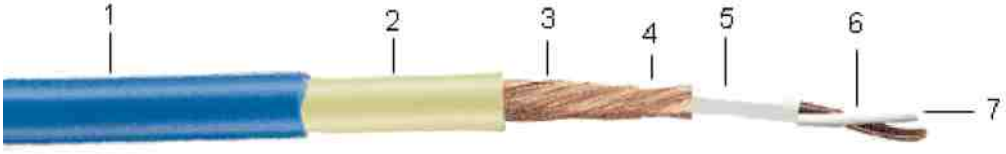
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10421	GAC-2 V1	5.4	black	100 m	4.50 kg	4 x 100 m

GAC-2 PUR road cable (rugged) (10502)

Balanced double shielded audio cable! 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.

Similar versions available with extra low noise (10421) with conductive separation tube for minimal handling noise for film microphone booms and as industrial standard cable for a lower price (10405)..



construction

1	Jacket	PUR, ø 5.4 mm, blue
2	Separation	PVC, ø 4.4 mm, white
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Separation	PVC, ø 3.1 mm, white
6	Insulation	PVC, white and brown Ø 1.2 mm, wrapped
7	Conductor	Stranded bare copper wires, 48 x 0.07 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 86 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 146 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

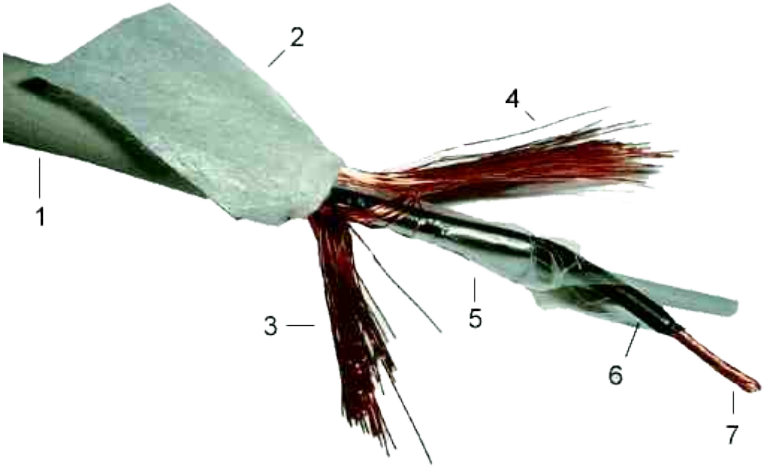
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10502	GAC-2 PUR	5.4	blue	100 m	4.50 kg	4 x 100 m

GAC-2111 double shielded (10550)

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.



construction

1	Jacket	PUR, ø 4.5 mm, grey (light)
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Separation	PE-coated
6	Insulation	PE, ø 1.20 mm, conductors red and white wrapped
7	Conductor	Stranded bare copper wires, 28 x 0.1 mm (0.22 mm²)

specifications

Conductor resistance	< 85 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 62 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 119 nF /km	Temperature range (flex)	- 5° to +50° C
Charact. imped. @ 20 kHz	145 Ohm	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10550	GAC-2111	4.5	grey	150 m	4.3 kg	4 x 150 m

DGS-2 single shielded microphone (7010x)

Balanced microphone cable with single shield, high flexible, velvet faint PVC jacket. Industrial standard clone product very similar to competition products of the industry. Economical standard shielding. Very competitive prices possible for larger orders.

Check our OEM prices and special branded productions just for you!
Limited availability! Minimum order can apply!

construction

1	Jacket	PVC, ø 6.0 mm, max.
2	Shield	Bare copper wires (0.10 mm), 100% coverage
3	Filling material	Viscose
4	Insulation	PE, ø 1.50 mm
5	Conductor	Stranded bare copper wires, 28 x 0.10 mm (0.22 mm²)

specifications

Conductor resistance	< 85 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 40 Ohm /km	Test voltage cond/shield	2000 V eff.
Insulation resistance	>200 MOhm /km	Operating voltage	low voltage
Capacitance cond/cond	< 62 nF /km	Temperature range (flex)	- 5° to +50° C
Capacitance cond/shield	< 116 nF /km	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	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

Contact us for availability. Limited stock on hand. This is not a standard stocked product. Minimum orders can apply

DGS-2/1 single shielded installation (40301)

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: 340xx

construction

1	Jacket	PVC, ø 3.8 mm, max.
2	Shield	64 bare copper wires (0.10 mm), 100% coverage
3	Insulation	PE, ø 1.15 mm, conductors red and white wrapped
4	Conductor	Stranded bare copper wires, 25 x 0.10 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 40 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 80 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 121 nF /km	Temperature range (flex)	- 5° to +50° C
Char. impedance @ 20 kHz	145 Ohm	Temperature range (fix)	-30° to +70° C

ordering data

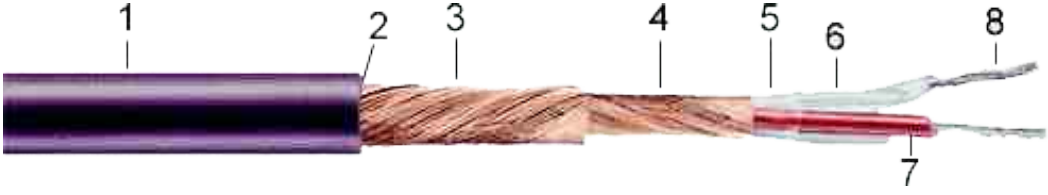
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
40301	DGS-2/1	3.8	black	300 m	5.2 kg	4 x 300 m

GAC-2 AES/EBU digital high flex (10601)

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 "starquad" 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).



construction

1	Jacket	PVC, ø 6.0 mm, purple
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	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 copper wires, 7 x 0.25 mm (0.34 mm²)

specifications

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

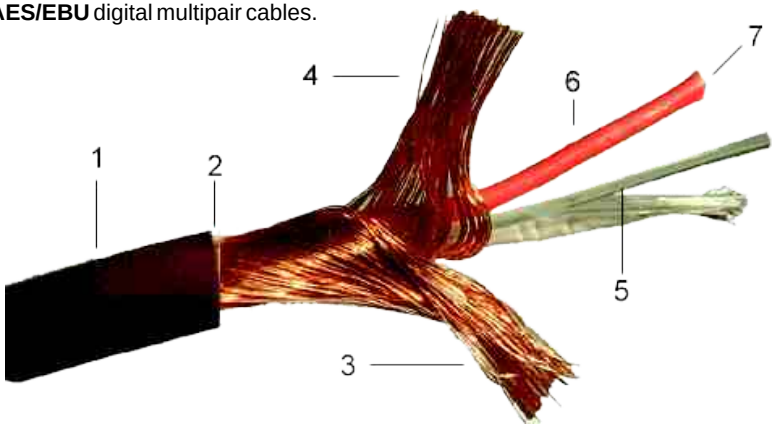
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10601	GAC-2 AES/EBU	6.0	purple	200 m	10.4 kg	2 x 200 m

GAC-2/mini AES/EBU digital installation (106xx)

Ultraflexible installation cable for AES/EBU digital audio data. Highly stabilized 110 ohm impedance guaranteed with our unique starquad "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 our **GAC-4pair mini AES/EBU**, **GAC-8pair mini AES/EBU** and **GAC-12pair mini AES/EBU** digital multipair cables.



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 3.2 mm, black | blue >FRNC
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	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 copper wires, 19 x 0.10 mm (0.15 mm²)

specifications

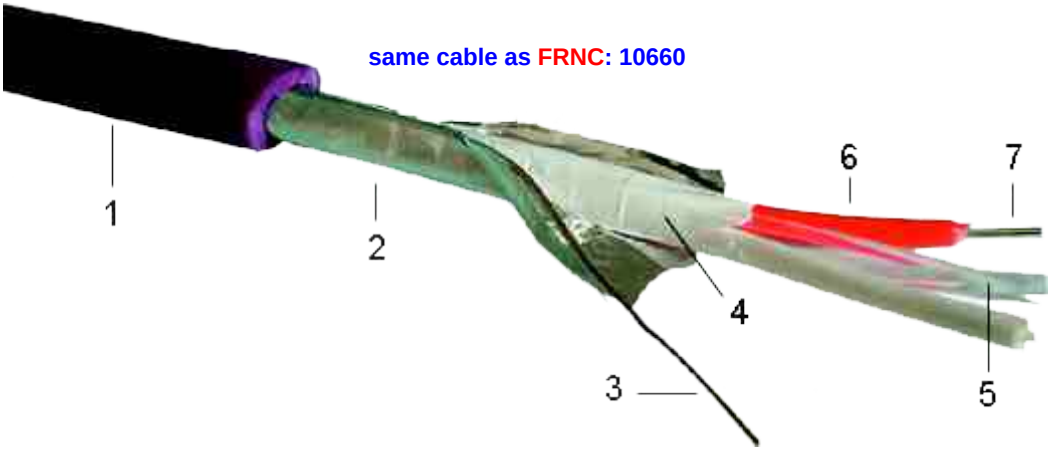
Conductor resistance	< 115 Ohm /km		Test voltage cond/cond	500 V eff.
Attenuation @ 1 MHz	< 3 db /100m		Test voltage cond/shield	2000 V eff.
Shielding resistance	< 35 Ohm /km		Impedance	110 Ohms ±2%
			Temperature range (flex)	- 5° to +50° C
Capacitance	< 48 nF /km		Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10630	GAC-1x DMX 110 Ohm	3.2	black	200 m	5.1 kg	4 x 200 m
10640	GAC-2/mini AES FRNC	3.2	dark blue	200 m	5.1 kg	4 x 200 m

GAC-2/foil AES/EBU digital installation (10652)

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.
Aluminum foil (or tin 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).



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 4.5 mm, purple
2	Foil shield	PVC-coated aluminum foil or tin foil
3	Drain wire	0.40 mm tinned copper wires SnCu
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 copper wire SnCu, 0.50 mm (0.19 mm²)

specifications

Conductor resistance	<	90 Ohm /km	Test voltage cond/cond	500 V eff.
Attenuation @ 1 Mhz	<	2.5 db /100m	Test voltage cond/shield	2000 V eff.
Attenuation @ 6 MHz	<	6.5 db /100m	Char. imped. @ 1-6 MHz	110 Ohm ±2%
Insulation resistance	>	10 GOhm /km	Temperature range (flex)	- 5° to +50° C
Capacitance	<	55 nF /km	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10652	GAC-2/foil AES	4.5	purple	200 m	4.5 kg	4 x 200 m
10660	GAC-2/foil AES FRNC	4.5	purple	400 m	9.0 kg	2 x 400 m

GAC-1 x DMX digital installation (106xx)

Ultraflexible installation cable for DMX digital data. Highly stabilized 110 ohm impedance guaranteed with our unique starquad "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.

same cable as FRNC: 10640

DMX

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 3.2 mm, black |dark blue = FRNC
2	Viscose fiber coat	Counter wrapped to the shields
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	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 copper wires SnCu, 19 x 0.10 mm (0.15 mm²)

specifications

Conductor resistance	<	115 Ohm /km	Test voltage cond/cond	500 V eff.
Attenuation @ 1 MHz	<	3 db /100m	Test voltage cond/shield	2000 V eff.
Shielding resistance	<	35 Ohm /km	Impedance	110 Ohms ±2%
Capacitance	<	50 nF /km	Temperature range (flex)	- 5° to +50° C
			Temperature range (fix)	-30° to +70° C

ordering data

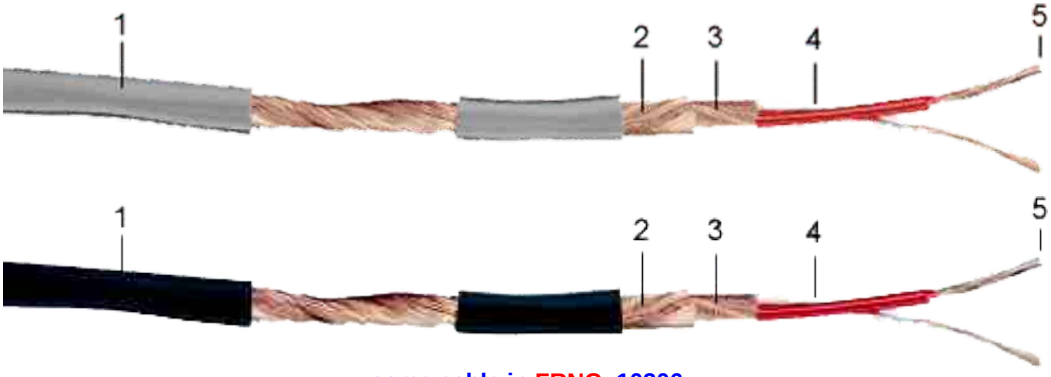
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10630	GAC-1 x DMX 110 Ohm	3.2	black	200 m	5.1 kg	4 x 200 m
10640	GAC-2/mini AES FRNC	3.2	dark blue	200 m	5.1 kg	4 x 200 m

GAC-2/1 double shielded installation (10301) PVC

Balanced double shielded audio cable! Very flexible. 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 snakes 140xx .

Same cable is available as FRNC non corrosive version in black 10306

OFC copper at best standards for best performance



same cable in FRNC: 10306

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 3.5 mm, grey / black = FRNC
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Insulation	PE, ø 1.15 mm, conductors red and white wrapped
5	Conductor	Stranded bare copper wires, 25 x 0.1 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 75 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 141 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

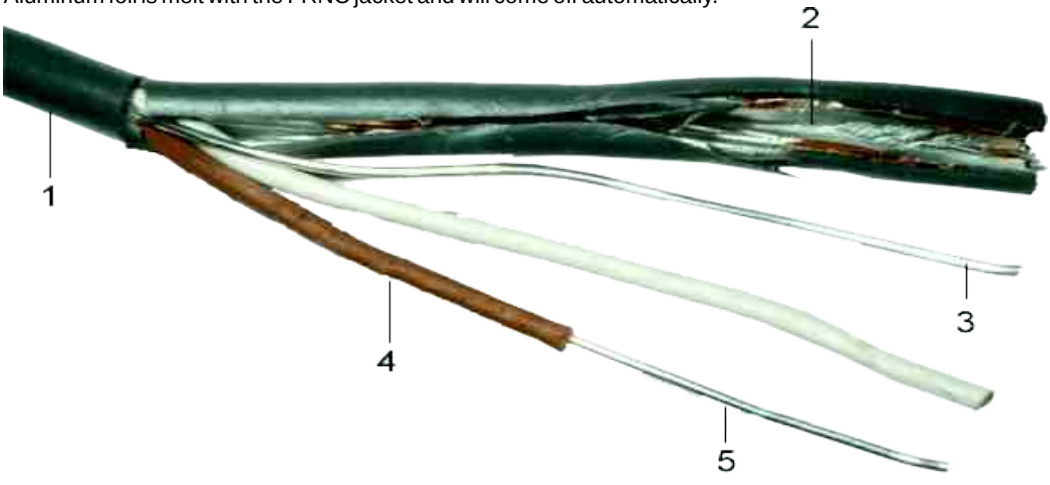
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10301	GAC-2/1	3.5	grey	300 m	6.8 kg	4 x 300 m
10306	GAC-2/1 FRNC	3.5	black	300 m	6.8 kg	4 x 300 m

GAC-2/mini foil shielded installation (10122) FRNC

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

Aluminum foil is melt with the FRNC jacket and will come off automatically.



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 2.2 mm, grey
2	Shield	Aluminum-Polyester foil
3	Drain wire	(to shielding) tinned copper wire SnCu, 0.37 mm (0.11 mm²)
4	Insulation (cond.)	PE, ø 0.72 mm, twisted, white and brown
5	Conductor	Solid tinned copper wire SnCu, 0.37 mm (0.11 mm²)

specifications

Conductor resistance	< 165 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 150 Ohm /km	Test voltage cond/shield	500 V eff.
Cap. @ 800 Hz, cond/cond	< 133 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 240 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10122	GAC-2/mini FRNC	2.2	grey	500 m	4.2 kg	4 x 500 m

GAC-2/foil foil shielded installation (10202) PVC

Foil shielded installation cable using 7 x 0.20 mm tinned wires for IDT. Designed for wiring balanced audio signals in a metal environment. Aluminum 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 off, the strands do not come apart and the cable can be installed without additional handling.

same cable as FRNC: 10206

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC, ø 3.0 mm, black, FRNC black
2	Shield	Aluminum-Polyester foil
3	Drain wire	Stranded tinned copper wires SnCu, 7 x 0.22 mm (0.22 mm²)
4	Insulation (cond.)	PVC, ø 1.1 mm, twisted, black and red conductors
5	Conductor	Stranded tinned copper wires SnCu, 7 x 0.20 mm (0.22 mm²)

specifications

Conductor resistance	< 85 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 65 Ohm /km	Test voltage cond/shield	1500 V eff.
Cap. @ 800 Hz, cond/cond	< 75 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 141 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

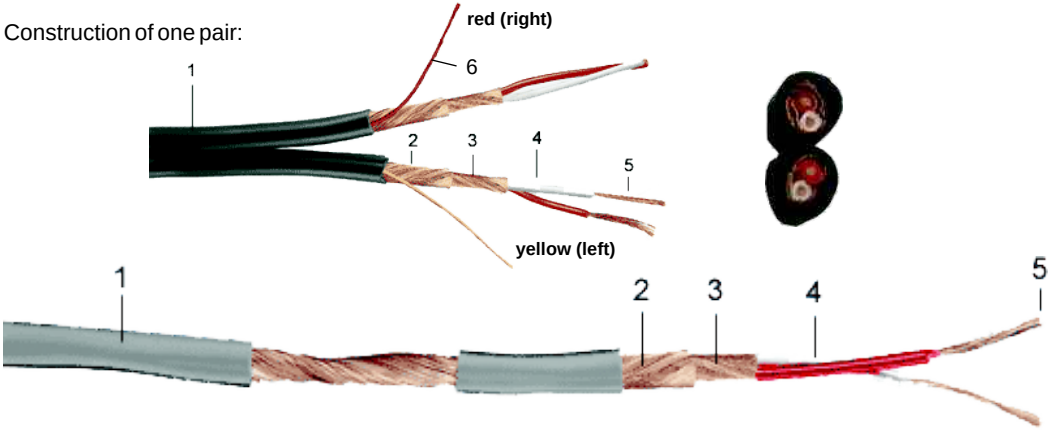
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10202	GAC-2/foil	3.0	black	300 m	5.1 kg	4 x 300 m
10206	GAC-2/foil FRNC	3.0	black	300 m	5.1 kg	4 x 300 m

GAC-2pair flat double shielded stereo (12001)

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:



construction

1	Jacket	PVC, ø 4.0 x 8.0 mm, grey (dark)
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Insulation (cond.)	PVC, ø 1.15 mm, conductors red and white wrapped
5	Conductor	Stranded bare copper wires, 25 x 0.1 mm (0.19 mm²)
6	Fabric strings	Side identification red /yellow

specifications

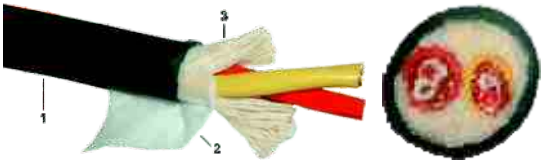
Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 75 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 130 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

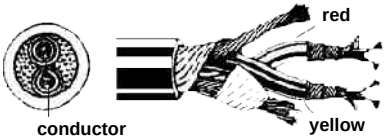
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
12001	GAC-2pair flat	4.0x8.0	grey	200 m	11.9 kg	2 x 200 m

GAC-2pair round double shielded stereo (13001)

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.





identification left /right withred /yellow shield

construction

1	Jacket	PVC, ø 7.3 mm, grey (dark)
2	Viscose fiber coat	Counter wrapped to the twisted pair
3	Filling material	Fabric file
4	Jacket	PVC, ø 3.3 mm, red or yellow
5	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
6	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
7	Insulation (cond.)	PVC, ø 1.15 mm, conductors red and white wrapped
8	Conductor	Stranded bare copper wires, 25 x 0.1 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 75 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 130 nF /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

ordering data

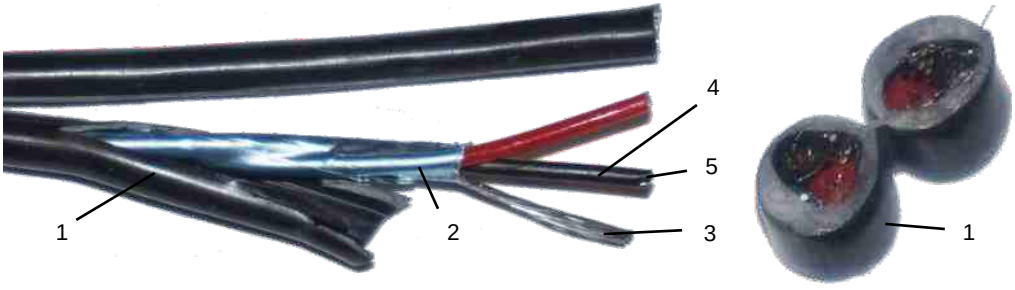
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
13001	GAC-2pair round	7.3	grey	150 m	9.8 kg	2 x 150 m

GAC-2Pair flat foil shielded installation (12206)

Balanced shielded audio cable! 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. Aluminum 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 off, 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 FRNC material.

Each channel is made similar to 10206 GAC-2/foil FRNC

We offer also a flexible PVC installation stereo cable 12001



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 3.0 x 6.0 mm, black
2	Shield No. 1	100% Aluminum-Polyester foil
3	Drain Wire	7 x 0.20 mm Stranded tinned copper wires SnCu
4	Insulation (cond)	PE, ø 1.10 mm, twisted, black and red conductors
5	Conductor	Stranded tinned copper wires SnCu, 7 x 0.20 mm (0.22 mm²)

specifications

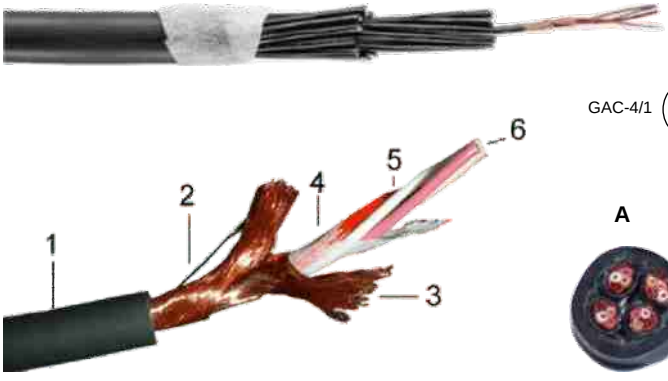
Conductor resistance	< 85 Ohm /km		
Shielding resistance	< 65 Ohm /km	Test voltage	1500 V eff. C/S
Capacitance cond/cond	< 75 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 140 nF /km	Temperature range (flex)	- 5° to +50° C
Insulation resistance	> 200 MOhm /km	Temperature range (fix)	-30° to +70° C

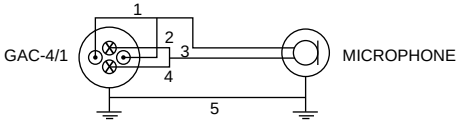
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
12206	GAC-2pair flat FRNC	3.0x6.0	black	150 m	13.2 kg	4 x 150 m

GAC-x way starquad double shielded snake (170xx)

Gotham "starquad" 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 "starquad" 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).





construction

1	Jacket numbered	PVC, ø 3.4 mm, blue (dark)
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
3	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
4	Separation	PE, foil
5	Insulation (cond.)	PE, ø 1.0 mm, 4 conductors,quad-twisted, red, white, pink, ivory
6	Conductor	Stranded tinned copper wires SnCu, 18 x 0.10 mm (0.14 mm²)

specifications

Conductor resistance	< 140 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	< 52 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	< 100 nF /km	Temperature range (flex)	- 5° to +50° C
Side circuit capacitance A/B	55 pF /m	Temperature range (fix)	-30° to +70° C
Side circuit capacit. Quad	135 pF /m	Noise attenuation	130 db
Characteristic impedance	180 Ohm		

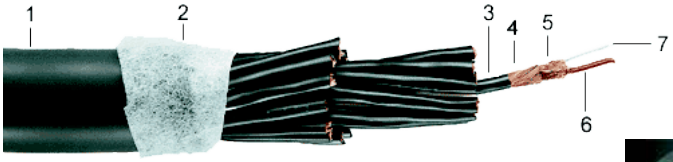
ordering data

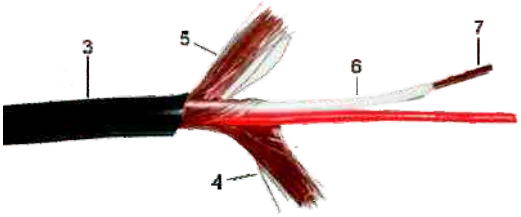
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
17004	GAC-4 way quad	12.0	black	250 m	44.8 kg	**A**
17008	GAC-8 way quad	15.0	dark blue	200 m	69.1 kg	**B**
17012	GAC-12 way quad	18.0	black	200 m	88.0 kg	**C**

GAC multicore cable double shielded snake (140xx)

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:

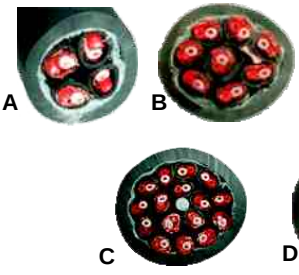




Shown

GAC-32pair

E



construction

1	Outer jacket	PVC, grey (dark)
2	Viscose fiber coat	Counter wrapped
3	Jacket	black, ø 3.3 mm (numbered)
4	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
5	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
6	Insulation (cond.)	PE, ø 1.15 mm, conductors red & white wrapped
7	Conductor	Stranded bare copper wires, 25 x 0.10 mm (0.19 mm²)

specifications

Conductor resistance	<	90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	<	20 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. @ 800 Hz, cond/cond	<	75 nF /km	Operating voltage	low voltage
Cap. @ 800 Hz, cond/shield	<	130 nF /km	Temperature range (flex)	- 5° to +50° C
			Temperature range (fix)	-30° to +70° C
			Noise attenuation	130 db

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
14001	GAC-4pair	11.0	grey	300 m	50.0 kg	A
14008	GAC-8pair	14.0	grey	200 m	63.1 kg	B
14016	GAC-16pair	20.0	grey	150 m	78.0 kg	C
14009	GAC-24pair	24.0	grey	100 m	77.5 kg	D
14032	GAC-32pair	27.5	grey	100 m	95.7 kg	E

GAC-2 foil shielded installation (150xx)

Foil shielded but still quite flexible multipair cable with 4 individual shielded and isolated balanced audio line for balanced signal transport. Overal aluminum foil shield and drain wire for overal ground shielding. Tinned OF copper stranded conductors. Cable sold per meter in cut length or standard spools. All multipair cables outside jacket are numbered each meter for easy length termination.

A

B

C

construction

1	Outer jacket	PVC, ø 10.0 | 13.0 | 17.0 mm, dark blue
2	Overall shield	one side polyester, Aluminum foil (conductor side is inside)
3	Drain wire	Stranded tinned copper wires SnCu, 19x0.25 mm (0.92 mm²)
4	Jacket numbered	(ø 3.4mm) PVC dark blue
5	Shield	PE, ø 1.15 mm, red /white, stranded
6	Drain wire	Stranded tinned copper wires SnCu, 7 x 0.25 mm (0.34 mm²)
4	Insulation (cond)	PE, ø 1.30 mm, conductors red and white wrapped
5	Conductor	Stranded tinned copper wires SnCu, 7 x 0.25 mm (0.34 mm²)

specifications

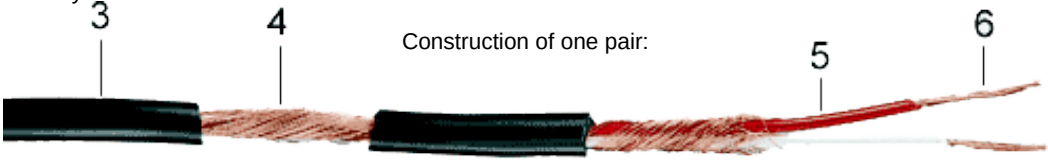
Conductor resistance	< 60 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 50 Ohm /km	Test voltage cond/shield	2000 V eff.
Cap. at 800 Hz, cond/cond	< 102 nF /km	Operating voltage	low voltage
Cap. at 800 Hz, cond/shield	< 184 nF /km	Temperature range (flex)	- 5° to +50° C
Charact. imped. at 20 kHz	145 Ohm	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
15004	GAC-4pair	10.0	dark blue	250 m	42.0 kg	**A**
15008	GAC-8pair	13.0	dark blue	200 m	45.0 kg	**B**
15012	GAC-12pair	17.0	dark blue	200 m	90.0 kg	**C**

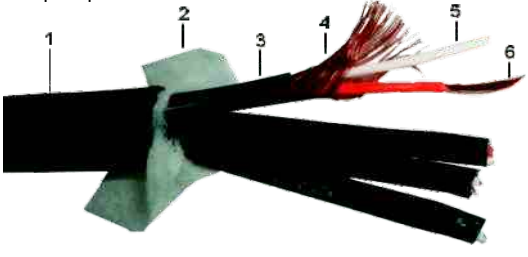
DGS-6pair | 24pair | 48pair single shielded snake (340xx)

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.



construction of multipair

> individual jacket numbered
1-6 | 24 | 48 for ID



Shown

DGS-6pair

B

D

E

construction

1	Outer jacket	PVC, ø 11.5 | 23.0 | 30.0 mm, black
2	Viscose fiber coat	Counter wrapped
3	Jacket	PVC black, ø 3.30 mm (numbered)
2	Shield	64 bare copper wires (0.10 mm), 100% coverage
4	Insulation	PE, ø 1.15 mm, conductors red and white wrapped
5	Conductor	Stranded bare copper wires, 25 x 0.10 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Shielding resistance	< 40 Ohm /km	Test voltage cond/shield	2000 V eff.
Capacitance cond/cond	< 80 nF /km	Operating voltage	low voltage
Capacitance cond/shield	< 121 nF /km	Temperature range (flex)	- 5° to +50° C
Char. impedance @ 20 kHz	145 Ohm	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
34006	DGS-6pair	11.5	black	100 m	14.0 kg	B
34024	DGS-24pair	23.0	black	100 m	55.0 kg	D
34048	DGS-48pair	30.0	black	100 m	92.0 kg	E

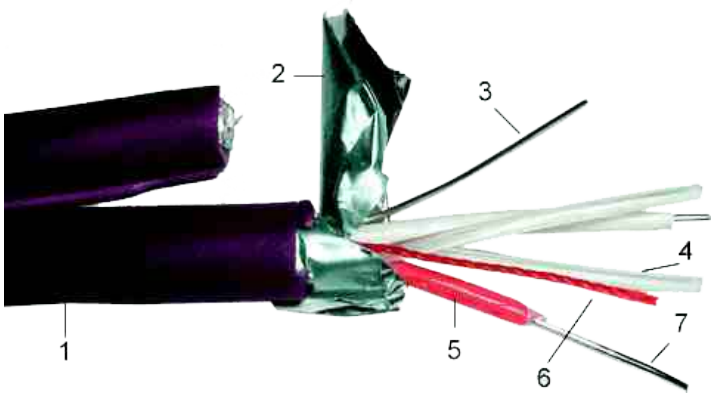
Note: continuous metering indication prints on all multipair cables for easy length verification

GAC-2pair foil AES/EBU digital (16302)

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. Aluminum 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).



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 4.5 x 9.2 mm, purple
2	Shield & Stabilisation	PE coated aluminum foil
3	Drain Wire	Tinned copper wires SnCu, 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 copper wires SnCu, ø 0.50 mm (0.19 mm²)

specifications

Conductor resistance	< 90 Ohm /km	Test voltage cond/cond	500 V eff.
Attenuation @ 1 Mhz	< 2.5 db /100m	Test voltage cond/shield	2000 V eff.
Attenuation @ 6 MHz	< 6.5 db /100m	Operating voltage	low voltage
Insulation resistance	< 10 GOhm /km	Temperature range (flex)	- 5° to +50° C
Impedance	110 Ohm /km	Temperature range (fix)	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
16302	GAC-2pair foil AES/EBU	9.2 x 4.5	purple	200 m	5.6 kg	2 x 200 m

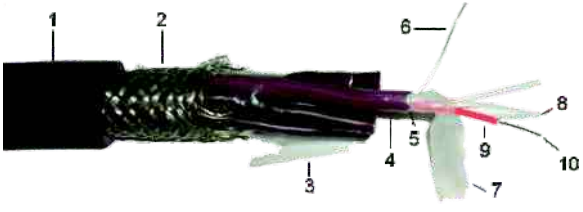
GAC-xpair foil AES/EBU multicore digital (163xx |166xx)

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.

Aluminum-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).

same cable as FRNC: 166xx

Construction of one pair:



shown

GAC-8pair AES/EBU

B

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC or FRNC, purple	7	Stabilisation	PE foil
2	Shield	Braiding with tinned copper wires	8	Cord (2)	PE-strand, ø 1.30 mm, quad twisted with 2 conductors
3	Separation	foil			
4	Jacket	ø 4.5 mm, purple, numbered	9	Insulation	Foam-skin PE, ø 1.30 mm, red and white
5	Shield	Aluminum-foil			
6	Drain wire	Solid tinned copper wires SnCu, ø 0.40 mm	10	Conductor	Solid tinned copper wires SnCu, ø 0.50 mm (0.19 mm²)

specifications

Conductor resistance	<	90 Ohm /km		
Attenuation @ 1 Mhz	<	2.5 db /100m		
Attenuation @ 6 MHz	<	6.5 db /100m	Characteristic impedance	110 Ohm ±2%
Insulation resistance	<	10 GOhm /km	Temperature range (flex)	- 5° to +50° C
Capacitance	<	40 nF /km	Temperature range (fix)	-30° to +70° C

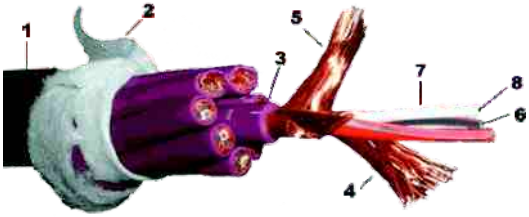
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
16304	GAC-4pair	13.0	purple PVC	250 m	35.0 kg	A
16308	GAC-8pair	17.0	purple PVC	150 m	42.0 kg	B
16312	GAC-12pair	19.5	purple PVC	150 m	63.0 kg	C
16604	GAC-4pair	13.0	purple FRNC	250 m	35.0 kg	A
16608	GAC-8pair	17.0	purple FRNC	150 m	42.0 kg	B
16612	GAC-12pair	19.5	purple FRNC	200 m	85.0 kg	C

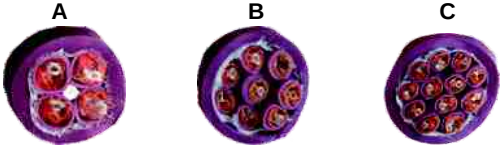
GAC-xpair AES/EBU mini-multicore flexible digital (165xx)

Ultraflexible multipair cables for AES/EBU digital audio data. Highly stabilized 110 ohm impedance guaranteed with our unique starquad "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:



Shown B
GAC-8pair mini AES/EBU



construction

1	Outer jacket	PVC, purple	6	Cord (2)	"PP", quad twisted with 2 conductors
2	Separation code	Viscose fiber	7	Insulation	Scum-PP, ø 1.15 mm, white and red
3	Jacket numbered	PVC, ø 3.6 mm	8	Conductor	Strand. tinned copper wires SnCu, 19 x 0.10 mm (0.15 mm²)
4	Shield No.1	Bare copper wire (0.10 mm), 100% coverage			
5	Shield No.2	Bare copper wire (0.10 mm), 100% coverage			

specifications

Conductor resistance	< 115 Ohm /km		
Attenuation @ 1 Mhz	< 3 db /100m		
Attenuation @ 6 MHz	< 7.5 db /100m	Characteristic impedance	110 Ohm ±2%
Shield resistance	< 20 Ohm /km	Temperature range (flex)	- 5° to +50° C
Capacitance	< 40 nF /km	Temperature range (fix)	-30° to +70° C

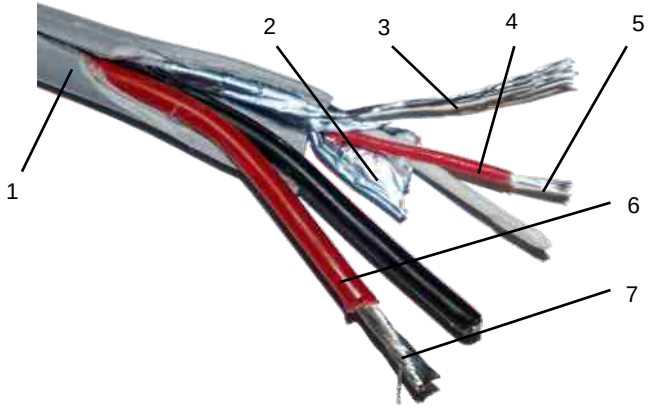
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Picture
16504	GAC-4pair mini AES/EBU	12.5	purple	250 m	44.8 kg	**A**
16508	GAC-8pair mini AES/EBU	15.5	purple	200 m	69.0 kg	**B**
16512	GAC-12pair mini AES/EBU	18.0	purple	200 m	82.0 kg	**C**

GAC-1 x DMX & 2x1.50 mm² 110 Ohm media control cable (10686)

1x DMX signal 110 ohm, digital, stabilized impedance for safe datatransfer with a 2x1.5mm² DC low voltage power line combined hybrid cable.

LFOC higher grade copper at best standards for best performance. This cable is also capable to be used for AES digital audio or balanced analog audio signals.



construction

110 Ohm DMX line			DC-Power line 2x1.50 mm²		
1	Jacket	FRNC Halogenfree comp.	6	Nom. insul. diam	ø 2.20 mm
	Diam. max.	ø 6.50 mm		Color code	black / red
	Color	light grey	7	Conductor 1.5 mm²	ø 30 x 0.25 SnCu
2	Shield	Alpet foil		Nom. diameter	ø 1.50 mm²
3	Drain wire	ø 7 x 0.20 mm SnCu			
4	Insulation	PEE-02YI 1			
	Nom. insul.diam.	ø 1.15 mm			
	Color code	white / red			
5	Cond. 0.15 mm²	ø 19 x 0.10 SnCu			

specifications

Characteristic impedance	110 Ohm		
Nominal capacitance	50 pF /mt.		
Conductor resistance	< 116 Ohm /km	Conductor resistance	< 13.3 Ohm/km
Raiting voltage	100 V	Rating voltage	Low voltage
Test voltage	800 V	Test voltage	1000 V

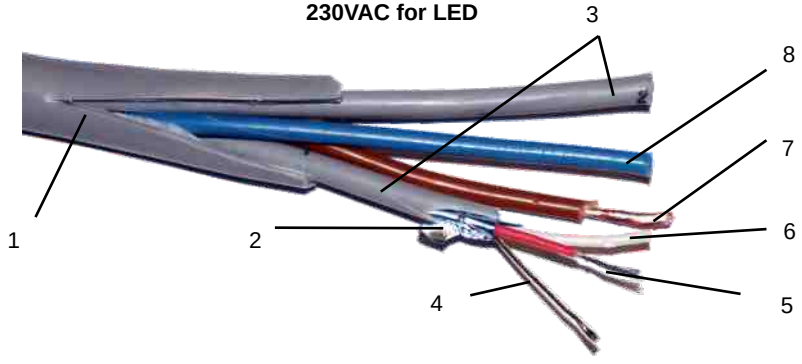
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10686	GAC-1xDMX & 2x1.5 mm²	6.5	light grey	200 m	14.0 kg	2 x 200 m

GAC-2 x DMX & 2x1.0mm² AC 110 Ohm media control cable (10682)

2x DMX signal 110 ohm, digital, stabilized impedance for save datatransfer with a 2x1.0mm² 230VAC class II power line combined hybrid cable.

LFOC higher grade copper at best standards for best performance. This cable is also capable to be used for AES digital audio or balanced analog audio signals.



construction

	2x110 Ohm DMX Line			AC-Power Line 2x1.00 mm²	
1	Overall jacket	FRNC.	7	Conductor 1.00 mm²	ø 32 x 0.20 *
	Diam. max.	ø 7.40 mm	8	Nom. diameter	ø 1.25 mm²
	Color	light grey, numbered			
2	Shield	Alpet foil			
3	Jacket	ø 2.45 mm	3	Nom. insul. diam.	ø 1.15 mm
	Color code	white / red		Color code	blue /brown
4	Drain wire	ø 7 x 0.20 mm *			
5	Cond. 0.15 mm²	ø 19 x 0.15 *			
6	Insulation	PEE-02YI 1	6	Insulation	LSOH-HI2

*** tinned copper wires SnCu**

specifications

Characteristic impedance	110 Ohm	Characteristic impedance	- - -
Nominal capacitance	50 pF /mt.	Nominal capacitance	- - -
Conductor resistance	< 116 Ohm /km	Conductor resistance	< 19.5 Ohm /km
Raiting voltage	100 V	Rating voltage	max. 300 VAC
Test voltage	800 V	Test voltage	2000 V

ordering data

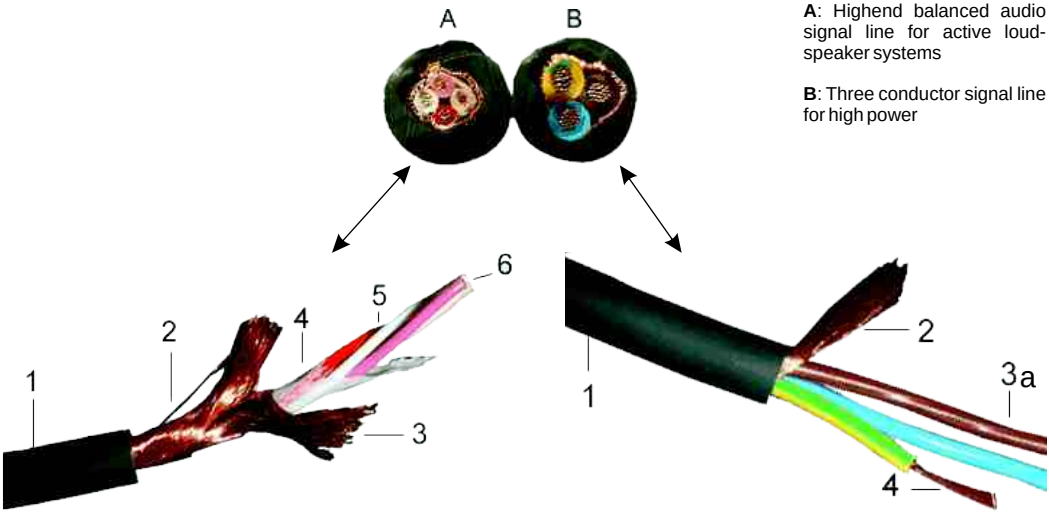
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
10682	GAC-2 x DMX & 2x1.0 mm²	7.4	light grey	200 m	14.6 kg	2 x 200 m

GAC-4/1 double shielded and 3x 0,75 mm² single shielded (11510)

Applications

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

B: Three conductor signal line for high power



Starquad signal line **Power line**

construction

1	Jacket	PVC, ø 6.5, grey (dark)	A
2	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage	A B
3	Shield No. 2	Bare 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
3a		PE, ø 3.00 mm, high voltage tested	B
6	Conductor	Stranded bare copper wires, 7 x 0.20 mm (0.22 mm²)	A
4		Stranded bare copper wires, 24 x 0.20 mm (0.75 mm²)	B

specifications

Conductor resistance	<	80 Ohm /km	A	Charact. imped. at 20 kHz	80 Ohm	A
	<	30 Ohm /km	B	Test voltage cond/cond	500 V eff.	A
Shielding resistance	<	20 Ohm /km	A	Test voltage cond/shield	2000 V eff.	A
	<	30 Ohm /km	B		5000 V eff.	B
Cap. @ 800 Hz, cond/cond	<	55 nF /km	A	Operating voltage	Low voltage	A
Cap. @ 800 Hz, cond/shield	<	105 nF /km	A	Operating voltage	300 VAC	B

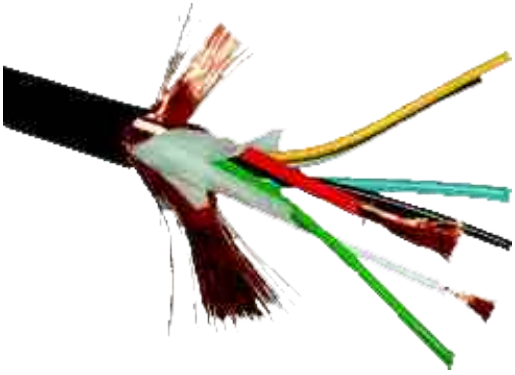
ordering data

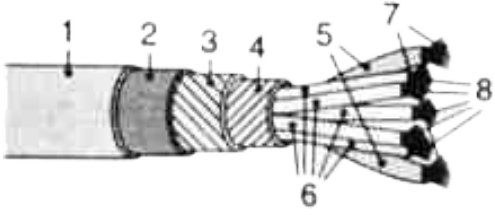
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
11510	Hybrid Cable	6.5x13	grey	100 m	14.0 kg	2 x 100 m

GAC-7 tube microphone cable (20101)

Specially designed microphone cable for tube microphones (7 conductors ! = 2 large conductors for power and 5 signal conductors).

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





construction

1	Jacket	PVC, ø 6.2 mm, grey
2	Separation	Viscose fiber coat
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Insulation A	PE, ø 1.50 mm, red / blue
6	Insulation B	PE, ø 1.10 mm, green / white / yellow / black / grey
7	Conductor A (5x)	Stranded bare copper wires, 72 x 0.05 mm (0.14 mm²)
8	Conductor B (2x)	Stranded bare copper wires, 252 x 0.05 mm (0.50 mm²)

specifications

Cond. resistance, cond. A	< 30 Ohm /km	Test voltage cond/cond	500 V eff.
Cond. resistance, cond. B	< 110 Ohm /km	Test voltage cond/shield	2000 V eff.
Insulation resistance	< 15 Ohm /km		
Capacitance, cond/cond	< 90 nF /km	Temperature range (flex)	- 5° to +50° C
Capacitance, cond/shield	< 160 nF /km	Temperature range (fix)	-30° to +70° C

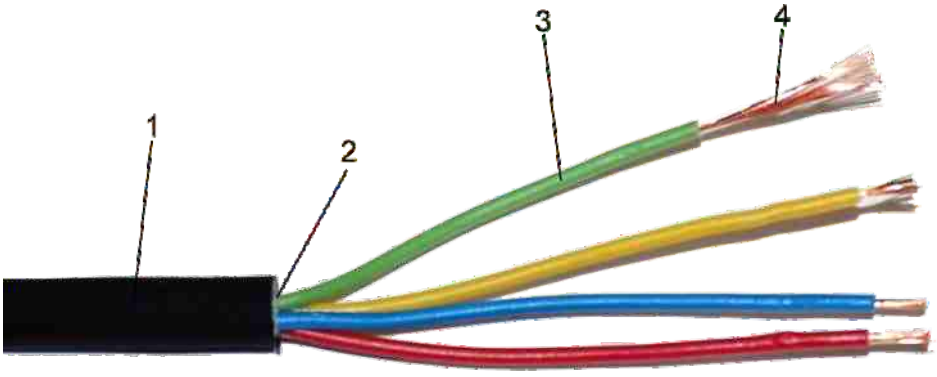
ordering data

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

GHC 4/1 headset cable (21045)

Ultraflexible and soft headphone cable w/o any shielding. Bare copper stranded conductors. Very soft and flexible design especially for mobile usage on headphones.

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



construction

1	Jacket	PVC, ø 3.90 mm, black
2	Separation	Viscose fiber coat
3	Shield No. 1	Bare copper wires (0.10 mm), 100% coverage
4	Shield No. 2	Bare copper wires (0.10 mm), 100% coverage
5	Insulation A	PE, ø 1.50 mm, red / blue
6	Insulation B	PE, ø 1.10 mm, green / white / yellow / black / grey
7	Conductor A (5x)	Stranded bare copper wires, 72 x 0.05 mm (0.14 mm²)
8	Conductor B (2x)	Stranded bare copper wires, 252 x 0.05 mm (0.50 mm²)

specifications

Cond. resistance, cond. A	< 30 Ohm /km	Test voltage cond/cond	500 V eff.
Cond. resistance, cond. B	< 110 Ohm /km	Test voltage cond/shield	2000 V eff.
Insulation resistance	< 15 Ohm /km	Operating voltage	Low voltage
Capacitance, cond/cond	< 90 nF /km	Temperature range (flex)	- 5° to +50° C
Capacitance, cond/shield	< 160 nF /km	Temperature range (fix)	-30° to +70° C

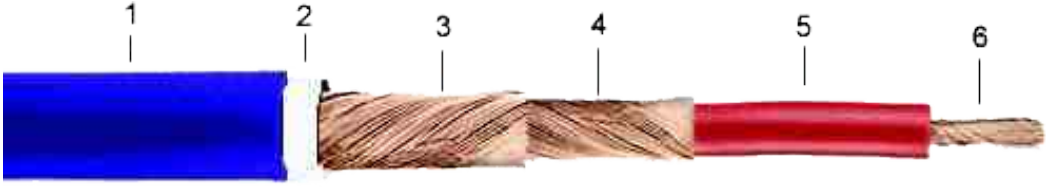
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
21045	GHC-4/1 Headset cable	3.90	black	200 m	4.30 kg	4 x 200 m

GAC SPK 2x2.5mm² PUR Coax speaker (50150)

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.



construction

1	Jacket	PUR, ø 6.8 mm, blue (dark)
2	Separation	PVC, ø 6.1 mm, white
3	Conductor 1A	Bare copper wires 25 x 0.25
4	Conductor 1B	Bare copper wires 25 x 0.25
3 & 4	Conductor 1A & 1B	added: 2.50 mm²
5	Insulation	PVC, ø 4.0 mm, red
6	Conductor 2	Stranded bare copper wires, 50 x 0.25 mm (2.50 mm²)

specifications

Center conductor resistance	<	7.6 Ohm /km	Test voltage cond/cond	800 V eff.
Conductor	<	7.6 Ohm /km		
Capacitance cond/cond	<	98 nF /km	Insulation resistance	> 200 MOhm /km
			Temperature range (flex)	- 5° to +50° C
Power rating		1650 Watt	Temperature range (fix)	-30° to +70° C
Current max.		15.0 Ampere		

ordering data

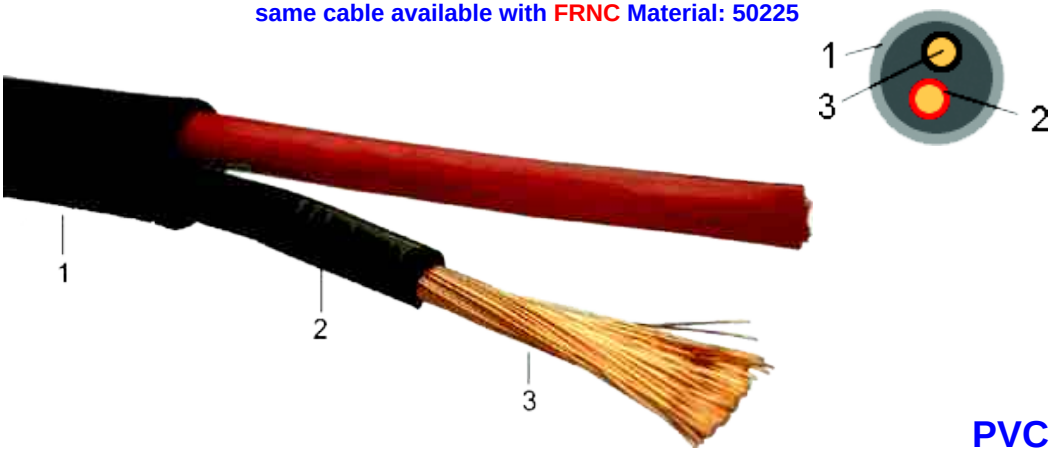
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50150	GAC SPK 2x2.5 mm²	6.8	blue	200 m	19.2 kg	1 x 200 m

SPK 2x2.50 mm² speaker (50025)

High flexible speaker cable for power amplifiers up to 1650 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 to the small overall diameter. Optimal price/quality realation. Small and effective stranding for all application.

same cable available with FRNC Material: 50225



PVC

* Flame retardant **PVC**, IEC 60332-3

construction

1	Jacket	PVC, ø 8.0 mm, black
2	Insulation	PVC, ø 3.2 mm, black and red
3	Conductor	Stranded bare copper wires, 140 x 0.15 mm (2.47 mm²)

specifications

Center conductor resistance	< 7.3 Ohm /km	Test voltage cond/cond	2000 V eff.
Capacitance cond/cond	< 99 nF /km		
Insulation resistance	> 200 MOhm /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	1650 Watt	Bending radius min.	5x overall diam.
Current max.	15.0 Ampere		

ordering data

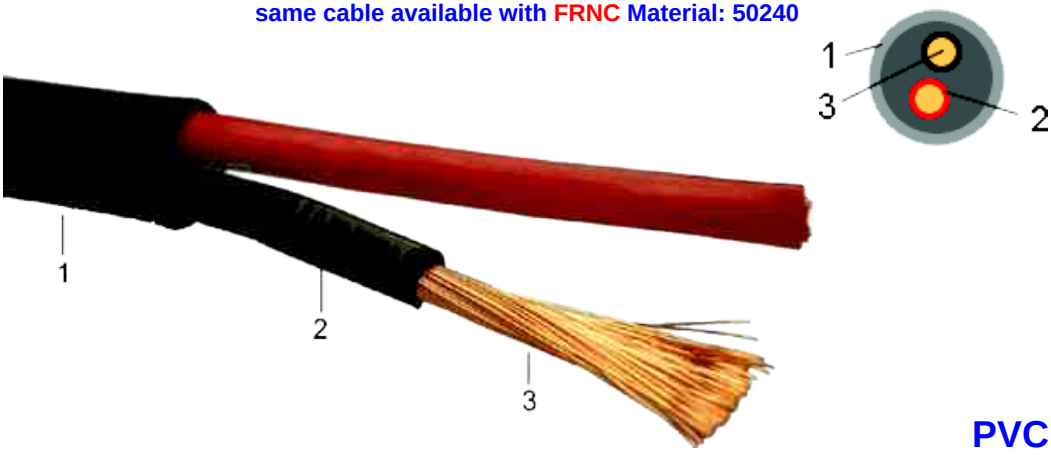
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50025	SPK 2x2.50 mm²	8.0	black	200 m	22.0 kg	1 x 200 m

SPK 2x4.00 mm² speaker (50040)

High flexible speaker cable for power amplifiers up to 2750 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 to the small overall diameter. Optimal price/quality realation. Small and effective stranding for all application.

same cable available with FRNC Material: 50240



PVC

* Flame retardant **PVC**, IEC 60332-3

construction

1	Jacket	PVC, ø 9.4 mm, black
2	Insulation	PVC, ø 3.9 mm, black and red
3	Conductor	Stranded bare copper wires, 7x (32 x 0.15 mm) (3.96 mm²)

specifications

Center conductor resistance	< 4.65 Ohm /km	Test voltage cond/cond	2000 V eff.
Capacitance cond/cond	< 180 nF /km		
		Temperature range (flex)	- 5° to +50° C
Insulation resistance	> 200 MOhm /km	Temperature range (fix)	-30° to +70° C
Power rating	2750 Watt	Bending radius min.	5x overall diam.
Current max.	24.0 Ampere		

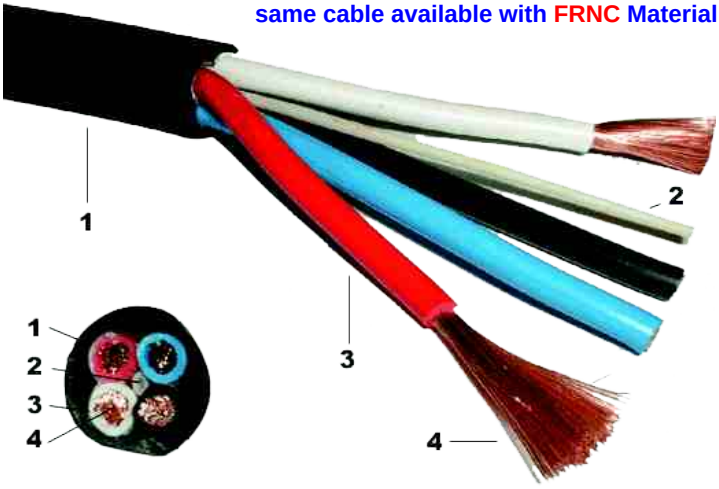
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50040	SPK 2x4.00 mm²	9.4	black	100 m	16.5 kg	1 x 100 m

SPK 4x2.50 mm² speaker (54025)

High flexible speaker cable for power amplifiers up to 1650 watts standard application. Bi-wiring recommended up to 2x 1000 watts. Round and flexible construction.

same cable available with FRNC Material: 54225



PVC

* Flame retardant **PVC**, IEC 60332-3

construction

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	Stranded bare copper wires, 140 x 0.15 mm (2.47 mm²)

specifications

Conductor resistance	< 7.3 Ohm /km	Test voltage cond/cond	2000 V eff.
Capacitance cond/cond	< 115 nF /km		
		Temperature range (flex)	- 5° to +50° C
Insulation resistance	> 200 MOhm /km	Temperature range (fix)	-30° to +70° C
Power rating	1650 Watt	Bending radius min.	5x overall diam.
Current max.	15.0 Ampere		

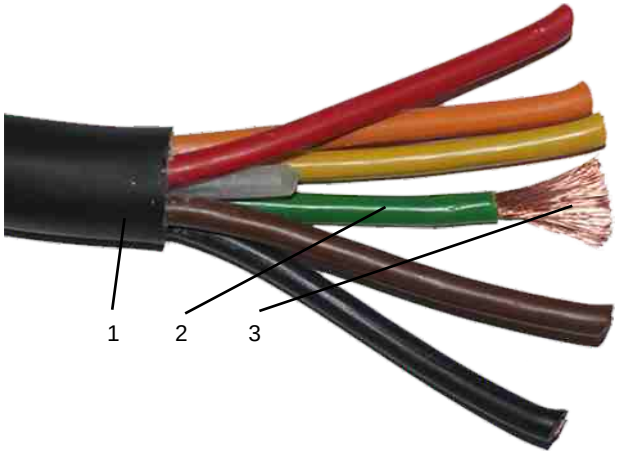
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
54025	SPK 4x2.50 mm²	9.6	black	200 m	33.8 kg	1 x 200 m

SPK 6x4.00 mm² speaker (56040)

High flexible speaker cable for power amplifiers up to 2750 watts. 224 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

Flameretarded PVC jacket (IEC 60332-3)



construction

1	Jacket	PVC, ø 14.8 mm, black
2	Insulation	PVC, ø 3.9 mm, black, red, brown, orange, green and yellow
3	Conductor	(OFC) Stranded bare copper wires, 224 x 0.15 mm (3.96 mm²)

specifications

Conductor resistance	< 4.65 Ohm /km	Test voltage cond/cond	2000 V eff.
Insulation resistance	> 200 MOhm /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	2750 Watt		
Current max.	24.0 Ampere	Bending radius min.	5x overall diam.

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
56040	SPK 6x4.00 mm²	14.8	black	100 m	42.0 kg	1 x 100 m

SPK 8x2.50 mm² speaker (58025)

High flexible speaker cable for power amplifiers up to 1650 watts. 140 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.

Flameretarded PVC jacket (IEC 60332-3)

PVC

* Flame retardant **PVC**, IEC 60332-3

construction

1	Jacket	PVC, ø 14.3 mm, black
2	Insulation	PVC, ø 3.2 mm, black, red, brown, orange, green, yellow, blue, purple
3	Conductor	Stranded bare copper wires, 140 x 0.15 mm (2.47 mm²)

specifications

Conductor resistance	< 7.3 Ohm /km	Test voltage cond/cond	2000 V eff.
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	1650 Watt		
Current max.	15.0 Ampere	Bending radius min.	5x overall diam.

ordering data

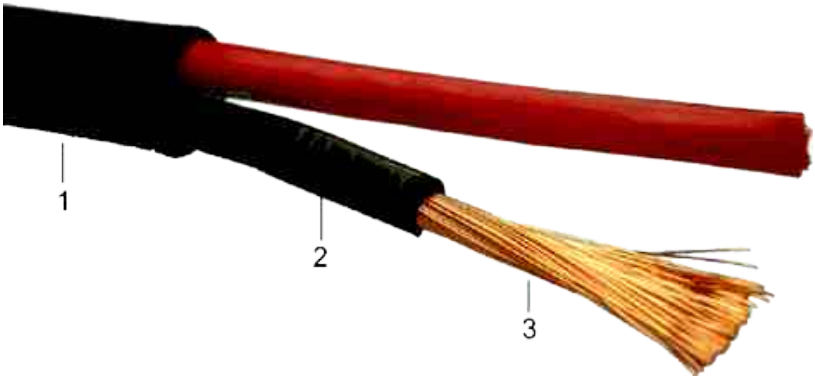
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
58025	SPK 8x2.50 mm²	14.3	black	100 m	39.0 kg	1 x 100 m

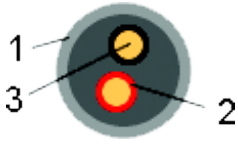
SPK 2x1.00 mm² speaker (50210)

High flexible speaker cable for power amplifiers up to 700 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 the the small overall diameter. Optimal price/quality relation. Small and effective stranding for all application.

same cable available with PVC Jacket: 50010 (more flexible)





FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC compound, ø 5.8 mm, black; separation viscose fiber coat
2	Insulation	Polyolefin, ø 2.2 mm, black and red; filler: cotton rope
3	Conductor	(OFC) Stranded bare copper wires 19 x 0.25 mm (0.93 mm²)

specifications

Center conductor resistance	< 19.5 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	700 Watt		
Current max.	6.0 Ampere	Bending radius min.	5x overall diam.

ordering data

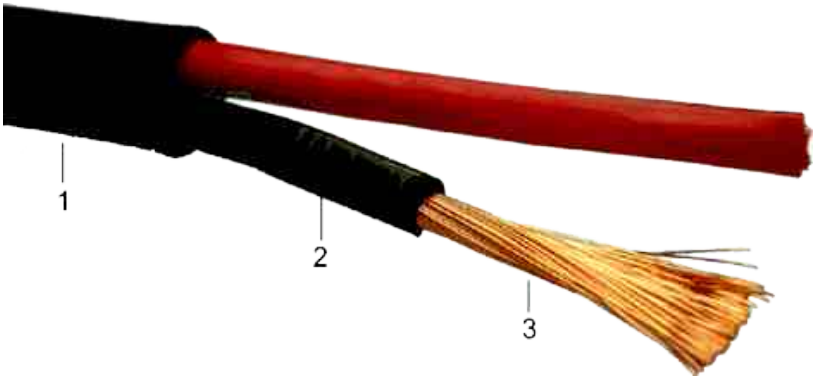
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50210	SPK 2x1.00 mm²	5.8	black	200 m	24.7 kg	2 x 200 m

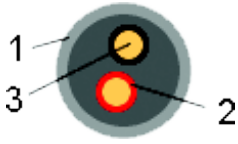
SPK 2x1.50 mm² speaker (50215)

High flexible speaker cable for power amplifiers up to 950 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 to the small overall diameter. Optimal price/quality relation. Small and effective stranding for all application.

same cable available with PVC Jacket: 50015 (more flexible)





FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC compound, ø 7.0 mm, black; separation viscose fiber coat
2	Insulation	Polyolefin, ø 2.8 mm, black and red; filler: cotton rope
3	Conductor	(OFC) Stranded bare copper wires 84 x 0.15 mm (1.50 mm²)

specifications

Center conductor resistance	< 11.9 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	950 Watt		
Current max.	9.0 Ampere	Bending radius min.	5x overall diam.

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50215	SPK 2x1.50 mm²	7.0	black	150 m	12.0 kg	2 x 150 m

SPK 2x2.50 mm² speaker (50225)

Flexible speaker cable for power amplifiers up to 1650 watts. To get such amounts 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 0.25 mm bare cupper wires. Best cost effectiveness yet still flexible construction round and stable.

same product as PVC-version available: 50025

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC compound, ø 8.0 mm, black; separation viscose fiber coat
2	Insulation	Polyolefin, ø 3.2 mm, black and red; filler: cotton rope
3	Conductor	(OFC) Stranded bare copper wires 140 x 0.15 mm (2.50 mm²)

specifications

Center conductor resistance	< 7.3 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	1650 Watt		
Current max.	15.0 Ampere	Bending radius min.	5x overall diam.

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50225	SPK 2x2.50 mm²	8.0	black	100 m	14.0 kg	2 x 100 m

SPK 2x4.00 mm² speaker (50240)

Flexible speaker cable for power amplifiers up to 2750 watts. 51 strands of 0.30 mm bare copper wires, stranding for best flexibility but still affordable price.

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

same product as PVC-version available: 50040

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC compound, ø 9.4 mm, black; separation viscose fiber coat
2	Insulation	Polyolefin, ø 3.9 mm, black and red; filler: cotton rope
3	Conductor	(OFC) Stranded bare copper wires 224 x 0.15 mm (4.00 mm²)

specifications

Center conductor resistance	< 4.65 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	2750 Watt		
Current max.	24.0 Ampere	Bending radius min.	5x overall diam.

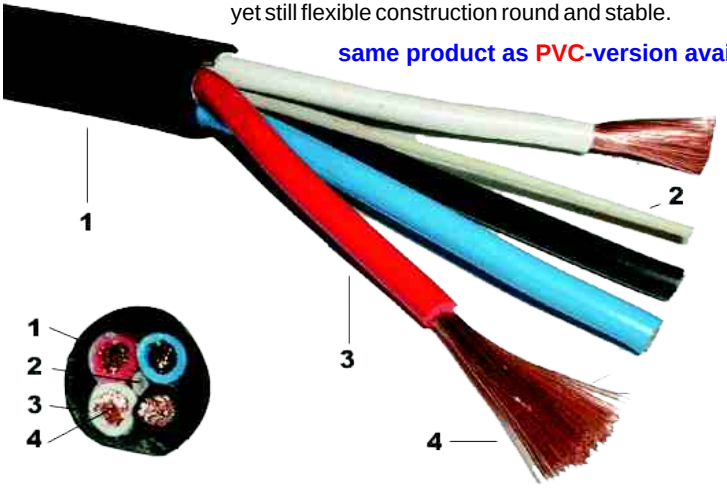
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50240	SPK 2x4.00 mm²	9.4	black	100 m	15.3 kg	1 x 100 m

SPK 4x2.50 mm² speaker (54225)

Flexible speaker cable for power amplifiers up to 1650 watts. To get such amounts 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 0.25 mm bare cupper wires. Best cost effectiveness yet still flexible construction round and stable.

same product as PVC-version available: 54025



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

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	Stranded bare copper wires, 45 x 0.25 mm (2.50 mm²)

specifications

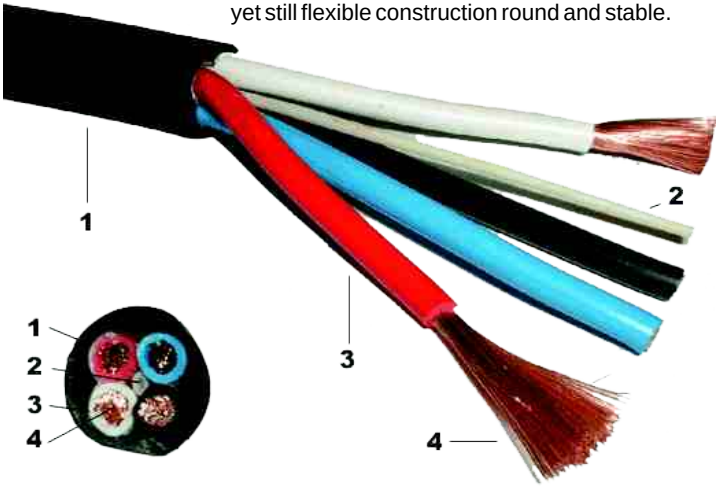
Center conductor resistance	< 7.3 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	1650 Watt		
Current max.	15.0 Ampere	Bending radius min.	5x overall diam.

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
54225	SPK 4x2.50 mm²	9.6	black	100 m	16.5 kg	1 x 100 m

SPK 4x4.00 mm² speaker (54240)

Flexible speaker cable for power amplifiers up to 2750 watts. To get such amounts of power to the loudspeaker without much signal energy loss, a conductor size of at least of 4.0 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 0.25 mm bare cupper wires. Best cost effectiveness yet still flexible construction round and stable.



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 12.50 mm, black
2	Filling material	
2	Insulation	FRNC, ø 3.9 mm, black, red blue and white
3	Conductor	Stranded bare copper wires, 51 x 0.30 mm (4.00 mm²)

specifications

Center conductor resistance	< 4.65 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	2750 Watt		
Current max.	24.0 Ampere	Bending radius min.	5x overall diam.

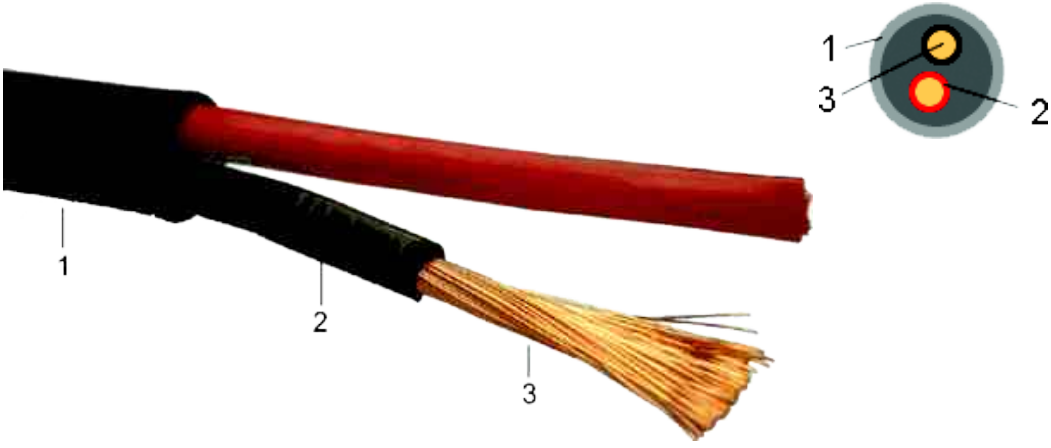
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
54240	SPK 4x2.50 mm²	12.5	black	100 m	30.0 kg	1 x 100 m

SPK 2x6.00 mm² speaker (50260)

Flexible speaker cable for power amplifiers up to 4000 watts. 75 strands of 0.30 mm bare copper wires, stranding for best flexibility but still affordable price.

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



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC compound, ø 12.0 mm, black; separation viscose fiber coat
2	Insulation	Polyolefin, black and red; filler: cotton rope
3	Conductor	(OFC) Stranded bare copper wires 75 x 0.30 mm (6.00 mm²)

specifications

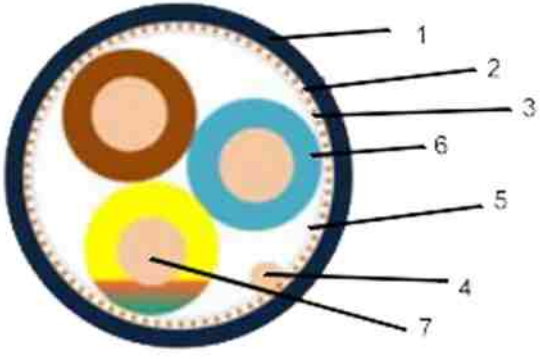
Conductor resistance	< 3.1 Ohm /km	Test voltage cond/cond	2000 V eff.
		Operating voltage	300 V
Insulation resistance	> 200 MOhm /km		
		Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C
Power rating	4000 Watt		
Current max.	36.0 Ampere	Bending radius min.	5x overall diam.

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
50260	SPK 2x6.00 mm²	11.0	black	100 m	19.5 kg	1 x 100 m

GPC 3x2.5 mm² power cable Reussen shielded (85025)

Reussen shielded power cable for mains power to your Hi-End Audio Gear. This cable ensures best transport of needed energy (up to 1650 Watt and 15 Ampere current) to your device but due to our exclusive Reussen shielding and conductive seperation layer, this is protecting your signal cables nearby even better from humm and RF noise generated by the 50Hz signal going tru the power supply cable.



construction

1	Jacket	PVC, (Ym2 1.10 mm, ø 9.5 max., dark blue
2	wrapping	Non woven fabric tape
3	Shield 1	Bare copper wires (0.15 mm), 100% coverage S
4	Drain wire	ø 16 x 0.19 mm Cu (Ground) bare copper
5	Shield 2	Conductive Fleece Foil (Petpal)
6	Insulation 3x	PE-2YI 1 0.50 mm thickness, nominal diameter 3.05 mm color code: blue-brown-yellow/green
7	Conductor 3x	ø 45x0,25mm Cu 2,50mm² bare copper stranded IEC 60228 Class 5 flexible copper conductor 2,50mm²

specifications

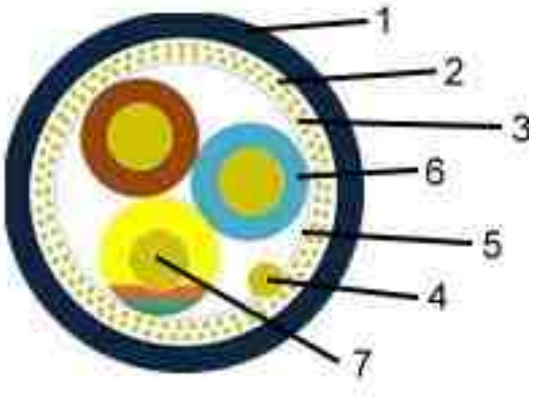
Conductor resistance	< 8.2 Ohm /km		
		Test voltage	2000 V eff.
		Rating voltage	300 /500V
Power rating	< 1650 Watt		
Current max.	15.0 Ampere	Temperature range	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
85025	GPC 3x2.5 mm²	9.5	dark blue	100 m	16.5 kg	2 x 100 m

GPC 3x5.5 mm² high power cable double Reussen shielded (85055)

Double Reussen shieded power cable for mains power to your Hi-End Audio Gear. This cable ensures best transport of needed energy (up to 4000 Watt and 33 Ampere current) to your device but due to our exclusive Double Reussen shielding and conductive seperation layer, this is protecting your signal cables nearby even better from humm and RF noise generated by the 50Hz signal going tru the power supply cable.



construction

1	Jacket	PVC, (Ym2 1.30 mm, ø 13.5 max., dark blue
2	Shield 1	Bare copper wires (0.20 mm), 100% coverage S
3	Shield 2	Bare copper wires (0.20 mm), 100% coverage Z
4	Drain wire	ø 16 x 0.19 mm Cu (Ground) bare copper
5	Separation	Conductive Fleece Foil (PETAL), counter wrapped to the twisted conductors
6	Insulation 3x	PE-2YI 1 0.80 mm thickness, nominal diameter 4.60 mm color code: blue-brown-yellow/green
7	Conductor 3x	ø 105 x 0.25 mm, bare copper wires, ø 2.97 mm², 5.50 mm²

specifications

Conductor resistance	< 3.5 Ohm /km		
		Test voltage	2000 V eff.
		Rating voltage	300 /500V
Power rating	<4000 Watt		
Current max.	33.0 Ampere	Temperature range	-30° to +70° C

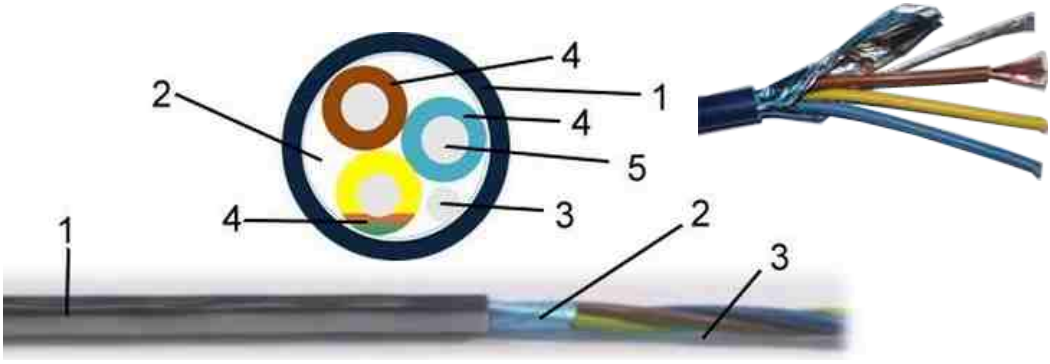
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
85055	GPC 3x5.5 mm²	13.5	dark blue	100 m	35.6 kg	1 x 100 m

GPC 3x1.5 mm² | 3x2.5 mm² power cable shielded (85215 |85225)

Fire rated and shielded power cable for mains power to your high-end audio gear. This cable ensures best transport of needed energy to our device but due to effective shielding, this is protecting your signal cables nearby even better from humm and RF noise generated by the 50Hz signal going through the power supply cable.

85225 as 3x2.5mm² is for higher current



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	LSOH, (HM 2 - DIN VDE 0207 part 24), ø max 8.2 | ø 9.9 , marine blue
2	Shield	Aluminum-Polyester foil
3	Drain wire	ø 19 x 0.18 mm (Ground) tinned copper wires SnCu
4	Insulation 3x	LSOH – HI 2, 0.70mm thickness, nominal diam. ø 2.95 mm, color code: blue-brown-yellow /green
5	Conductor	ø 27 | ø 45 x 0.25 mm, Cu 1.30 mm² | 2.20 mm² bare copper stranded

specifications

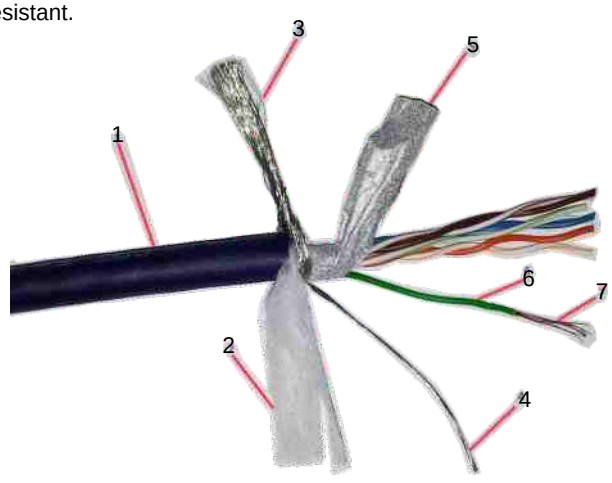
Conductor resistance	< 15.5 | 8.2 Ohm /km	Test voltage	2000 V eff.
		Rating voltage	300 /500V
Power rating	900 |1650 Watt		
Current max.	9.0 | 15.0 Ampere	Temperature range	-30° to +70° C

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
85215	GPC 3x1.5 mm²	8.2	marine blue	100 m	10.9 kg	2 x 100 m
85225	GPC 3x2.5 mm²	9.9	marine blue	100 m	15.7 kg	2 x 100 m

CAT 5e BSTP double shielded (80116)

A multipair usually 4 pair high performance cable that consists of twisted pair coductors, used mainly for data transmission.It is suitable for work wiring, device connecting and patching. For the use in class D like 10 Base-T, 100 Base-T, 1000Base-T, Token Ring, FDDI, ISDN,ATM, audio networks like EtherSound and DMX ligthning controls. Its smallest bending radius is 30 mm and according to the Ethersound the maximum length is 75m. The PUR jacket is extremly resistant to abrasion, oils, microcables,chemicals and flexible down to -40°C. The halogen-free and flame-retarded PUR jacket /according to IEC 60332-1) makes it extremly notch- and cold resistant.



construction

1	Jacket	PUR, ø 6.3 mm, dark blue
2	Separation	Viscose layer
3	Shield	Braided shield 16x9x0,10mm
4	Drain wire	7 x 0.15 mm, tinned copper wires SnCu
5	Shield over pair	PETPAL Viscose Viber coat (Conductive) 4x over each pair
6	Insulation	PE 0,96 mm. Ø Foam-skin PE, white/blue,white/orange,white/green, white/brown
7	Conductor	4x2xAWG 22 = 0,64 mm. ø Cu 4x pair wound

specifications

Conductor resistance	125 Ohm /km	Attenuation results MHz	1	4	10	16	20	100
Shielding resistance	40 Ohm /km	Atten., db /100 mt. max.	3.1	6.4	9.9	12.1	12.3	31.8
Capacitance wire/wire	42 nF /km	SRL, db min	23.0					
Test voltage	500 V eff.	NEXT db min	62.3	53.3	47.3	44.3	42.8	32.3
Temperature range	-10° to +70° C	ELFEXT, db. min	60.8	48.8	40.8	36.7	34.8	20.8
		ACR, db /100 mt. min.	60.5	49.7	41.6	37.0	34.7	13.4

more results: visit www.gothamcables.com

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
80116	CAT 5e	6.3	dark blue	100 m	4.5 kg	4 x 100 m

GVC-1 SDI video installation (01060)

Professional 75 ohm videocable with dual shield. Flexible construction.SDI capable. Low signal loss with solid conductor.

LFOC higher grade copper at best standards for best performance. Industrial standard videocables meeting all standards

same cable as FRNC: 01061

FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC | FRNC, ø 6.0 mm, black
2	Shield No. 1	Braiding with tinned copper wires SnCu (0.10 mm), coverage min. 91%
3	Shield No. 2	Aluminum foil
4	Insulation	Foam-PE, ø 3.66 mm
5	Conductor	Solid bare copper wire, 0.82 mm

specifications

Inner |outer cond. resistance	33 |13 Ohm /km	Attenuation@ 720 MHz	< 22.8 dB /100 m
Screening efficiency	> 90 db	Attenuation@ 1000 MHz	< 27.1 dB /100 m
Attenuation@ 1 |3.6 MHz	< 1.0 |1.7 db /100m	Attenuation@ 1500 Mhz	< 34.8 dB /100 m
Attenuation@ 10 |71.5 MHz	< 3.2 |7.3 db /100m	Attenuation@ 2250 MHz	< 42.3 dB /100 m
Attenuation@ 135 |180 MHz	< 9.7 |11.1 db /100m	Capacitance	< 54 pF /mt.
Attenuation@ 270 Mhz	< 13.6 dB /100 m	Return Loss (RL)	>20db upto 2.25 GHz
Attenuation@ 360 Mhz	< 15.8 dB /100 m	Characteristic impedance	75 Ohm
Attenuation@ 540 MHz	< 18.6 dB /100 m		

Digital frequency data transmission distances: visit www.gothamcables.com

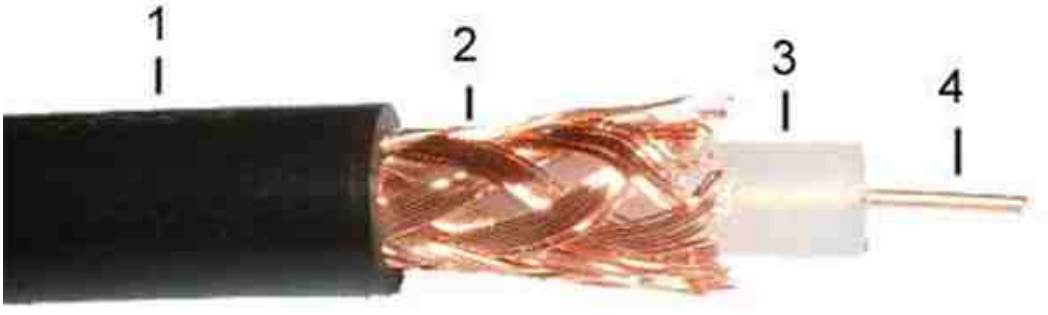
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
01060	GVC-S1 PVC	6.0	black	300 m	15.0 kg	2 x 300 m
01061	GVC-S1 FRNC	6.0	black	300 m	15.0 kg	2 x 300 m

GVC-1 RG59 B/U video installation (02980)

GVC-1 RG59 B/U (02980) professional RG59 75 ohm videocable. Flexible construction. Low signal loss. LFOC higher grade copper at best standards for best performance.

Industrial standard videocables meeting all standards.



construction

1	Jacket	PVC, ø 6.15 mm, black
2	Shield No. 1	Braiding with tinned copper wires SnCu (0.16 mm), coverage min. 95%
3	Insulation	LDPE, ø 3.70 mm
4	Conductor	40% conductivity copper clad steel wire, ø 0.58 mm

specifications

Conductor resistance	< 152.4 Ohm /km	Capacitance	< 67.3 nF /km
Attenuation @ 400 MHz	< 29.6 db/100 m	Charac. imped. @ 200 MHz	75 Ohm ±3
Insulation resistance	> 10GOhm /km	Temperature range (flex)	- 5° to +50° C
		Temperature range (fix)	-30° to +70° C

ordering data

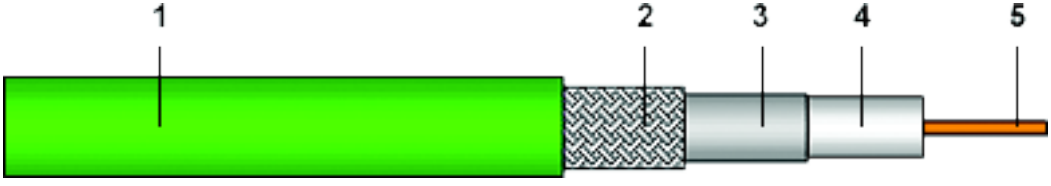
Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
02980	GVC-1 RG59	6.15	black	100 m	6.5 kg	4 x 100 m

GVC-1 06 AF PVC video installation (03450)

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).

same cable as FRNC: 03451



FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	PVC | FRNC, ø 4.5 mm, green RAL 6018
2	Shield No. 1	Braiding with tinned copper wires SnCu (0.10 mm), coverage min. 91%
3	Shield No. 2	Aluminum foil
4	Insulation	Foam-PE, ø 2.80 mm
5	Conductor	Solid bare copper wire, 0.60 mm

specifications

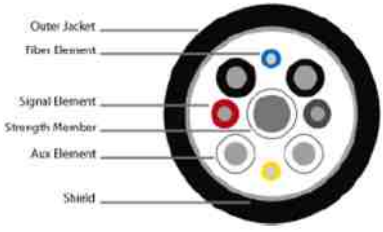
Conductor resistance	< 61 Ohm /km	Attenuation @ 1000 MHz	< 35.3 dB /100 m
Attenuation @ 1MHz |5 MHz	< 1.2 |2.5 db/100 m	Attenuation @ 1500 MHz	< 43.2 dB /100 m
Attenuation @ 30 MHz	< 5.9 dB /100 m	Capacitance	< 56 nF /km
Attenuation @ 100 MHz	< 10.2 dB /100 m	Characteristic impedance	75 Ohm ±2%
Attenuation @ 200 MHz	< 14.6 dB /100 m	Temperature range (flex)	- 5° to +50° C
Attenuation @ 800 MHz	< 31.5 dB /100 m	Temperature range (fix)	-30° to +70° C

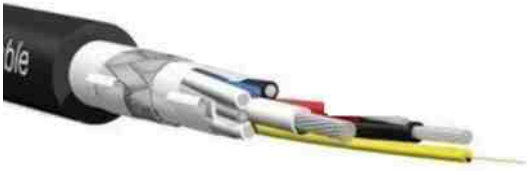
ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
03450	GVC-1 06 AF PVC	4.5	green	300 m	8.1 kg	2 x 300 m
03451	GVC-1 06 AF FRNC	4.5	green	300 m	8.1 kg	2 x 300 m

GVC-SMPTE 311M-HD Hybrid Cameracable 2xFiber (05251)

Fiber optic and copper conductor SMPTE 311M hybrid cable for High Definition video cameras. In the hybrid 311M format, the HD video signal is transmitted over two single-mode optical fibers to ensure accurate and extended distance data transmission. To increase the durability, a special HDPE polymer with increased tensile strength is used for the coatings, and a 16 AWG steel strength member is cabled at the center of the cablecore.
It is used in professional video productions for simultaneous transmission of energy, video, audio and control signals and is intended to interconnect camera units and base stations in conjunction with the Connector Interface Standard. It is suitable for all new digital camera systems of well-known manufacturers.





FRNC = **F**lame **R**etardant **N**on **C**orrosive = Flame retardant per IEC-332-1 test standard

construction

1	Jacket	FRNC, ø 9.2 mm, black RAL 9005
2	Wrapping	non woven fabric table layer
3	LF-Shield	Braided shield tinned copper 24x7x0,12 mm OD: ø 5.90 mm
4	Strength Member	AWG 16 galvaniced steel wire ø 1.60 mm Isolation solid HDPE ø 2.10 mm. white
5	Fiber optic single Mode (2x9/125µ)	Single-mode 9.5 Micron Mode Field 125 Micron Cladding Insulation Thermoplastic ø 0.90 mm. 1x blue / 1x yellow
6	Signal Conductor 2x AWG 24	7x 0.20 mm tinned CU wires ø 0.60 mm Isolation solid HDPE ø 1.10 mm. 1x red /1x grey
7	Aux Signal Cond. 4x AWG 20	0.20 mm tinned CU wires ø 1.00 mm Isolation solid HDPE Ø 1.50 mm. 2x black /2x white

specifications

Conductor resistance	6	< 92 Ohm /km			
	7	< 35.2 Ohm /km	Test voltage	1500 V eff.	
Shielding resistance		20 Ohm /km			
			Temperature range	-30° to +70° C	
Loop resistance	6	184 Ohm /km			
	7	70.4 Ohm /km			

ordering data

Order No.	Type	ø mm	Color	Spool Size	Weight /Spool	Shipping Unit
05251	GVC-1 SMPTE 3011 FRNC Hybrid	9.2	black	150 m	20.0 kg	2 x 150 m

Handcrafted in Switzerland

You can virtually select all our connectors and wire and specify the cable length and format. Each cable is made specifically for you and we try to accommodate every desire.

Some standard cables such as XLR male-to-female, RCA, Jack, Banana/Spade loudspeaker cables and similar are available from stock for immediate delivery. Some we make for you in just a few working days.

Gotham Audio domestic sales organization has access to best price connectors from Amphenol, Switchcraft and others. Gotham has even established a brand "

Gotham® Connector

featuring XLR, banana 4mm and spades with 3 micron" of pure gold plating. Top quality at reasonable prices. This is our goal.

No "voodoo cables" with religious kind of sound promises from Gotham! Just very good quality and best possible signal protection with shielding and correct wiring to your signal transport you need. Our cables will not improve your "sound" but protect it from undesired influences a cable could have. "Bad sound" will stay bad as far as the cable performance concerned! We vote for the reality of physics! You can count on this. Send your comments / review to info@gotham.ch.

Here a brief selection of our available connectors

Amphenol Audio

Switchcraft® Consistently Excellent Since 1948™

Gotham Connectors

Visit our cable assemblies department at Gothamcables.com and see examples and standard products with prices and more details:

http://gothamcables.com/en/gothamcables/madeupleads

Piz Power Cable
by Gotham Cable

Handcrafted in Switzerland

We are now offering our various mains power cables assembled with high quality power Gotham® Connector for various countries. You can select cable type, connector (country), individual wire length and we will assemble in our own lab each cable individually, test and pack it and send it direct to you at short notice. No minimum order, each cable made individually for you!

Here a few examples

Order code	Cable type	Cable color	Connector	Length +/- 1m
41051030	85055 GPC 3x5.5 mm² PVC flex.	ultramarine blue	Germany/EC Female C13 to Schuko Type C	**3.0** m
41057030	85225 GPC 3x2.5 mm² FRNC	ultramarine blue	Germany/EC Female C13 to Schuko Type C	**3.0** m
41055030	85215 GPC 3x1.5 mm² FRNC	ultramarine blue	Germany/EC Female C13 to Schuko Type C	**3.0** m
41052030	85025 GPC 3x2.5 mm² PVC flex.	ultramarine blue	Germany/EC Female C13 to Schuko Type C	**3.0** m

ordering information

+/- 1m You can adjust the desired cable length!

Codes indicated are always per piece with 3 meter length. If you need a pair, please order 2pcs. We can only invoice full meters but you can ask your cable per cm specified. Therefore 1.50 meter would be charged like 2.00 meters. We will confirm/quote correct price/delivery after receipt of your inquiry/order.

Power connectors for EC (Schuko), Switzerland, UK and USA available from stock. Simply ask for a quotation per e-mail to info@gothamcable.com.

Shipping & Crates

Our cables can be ordered per meter, cut to your specification (check maximal available length). Available from Swiss or USA warehouse (also as cable assemblies). Open rings or on a matching spool according to length and type.

cut piece

per spool

Plastic spools (EW250), hardboard spools H327 and wooden spools HSx00

4 x EW 250 in a box

2x H 327 in a box

Spool HSxxx

Export shipping units dimensions

Unit "A:" 4x EW250 in a box 55x28x28cm, Unit "B" 2xH327 in a box 35,29x35cm. Individual weight of spools or box to be seen on each datasheet.

warehouse location *shipping restrictions*

Swiss warehouse We can accept any size of order and ship it to any place in the world. No minimum orders. No handling charges. Shipping costs as per selected shipper and speed option. (we can gladly quote). Personal collection w/o any fees possible. (please always request an offer) Please also note that in such cases local Swiss VAT (8% per May 2017) will apply. Payment in cash, Banktransfer or Paypal. (specific Paypal restrictions will apply).
No credit cards accepted.

Germany warehouse Goods are stored in shipping-units c/o Streck Transport in D-79108 Freiburg, Germany. Minimum order will apply: 1x shipping unit "A " 1x shipping Unit "B" or multiple shipping units or 1 full spool HSx00. We can not repack crates and/or cut cables and similar. Personal collection after payment and our confirmation possible.
Attention: Germany residents and EC residents w/o VAT (UID) account numbers will have to be charged with the Germany VAT (currently 19%)

USA warehouse No minimum orders. Most of our cables are available from stock in Nazareth Pensylvania, USA. All USA and Canada residents should order from USA sales office. Others inquire with Gotham Switzerland.

Orders You can send us a simple email to info@gothamcable.com with your request for a quotation or your order. We will get back to you immediately with a quotation and proposal for your inquiry. Please always mention your full name, address and indicate a phone number just in case.

! No minimum orders !
! No handling charges !

http://gothamcable.com/en

Gotham Cable®

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