

# ACS

## Angelique® Copper Stranded Wires

### MConnect - Wires

Angelique®Copper is a high quality Copper alloy to which a certain amount of silver and a certain amount of gold is added. A copper plus sort of for an audibly plus in musical enjoyment. At a price you would not expect from product a product enriched with Silver-Gold. Finally, we got Angelique®Copper's very copper-silver-gold ratio patented. Alternative alloys with more or less silver and/or gold were not as convincing in listening tests. It's all about the mixture!

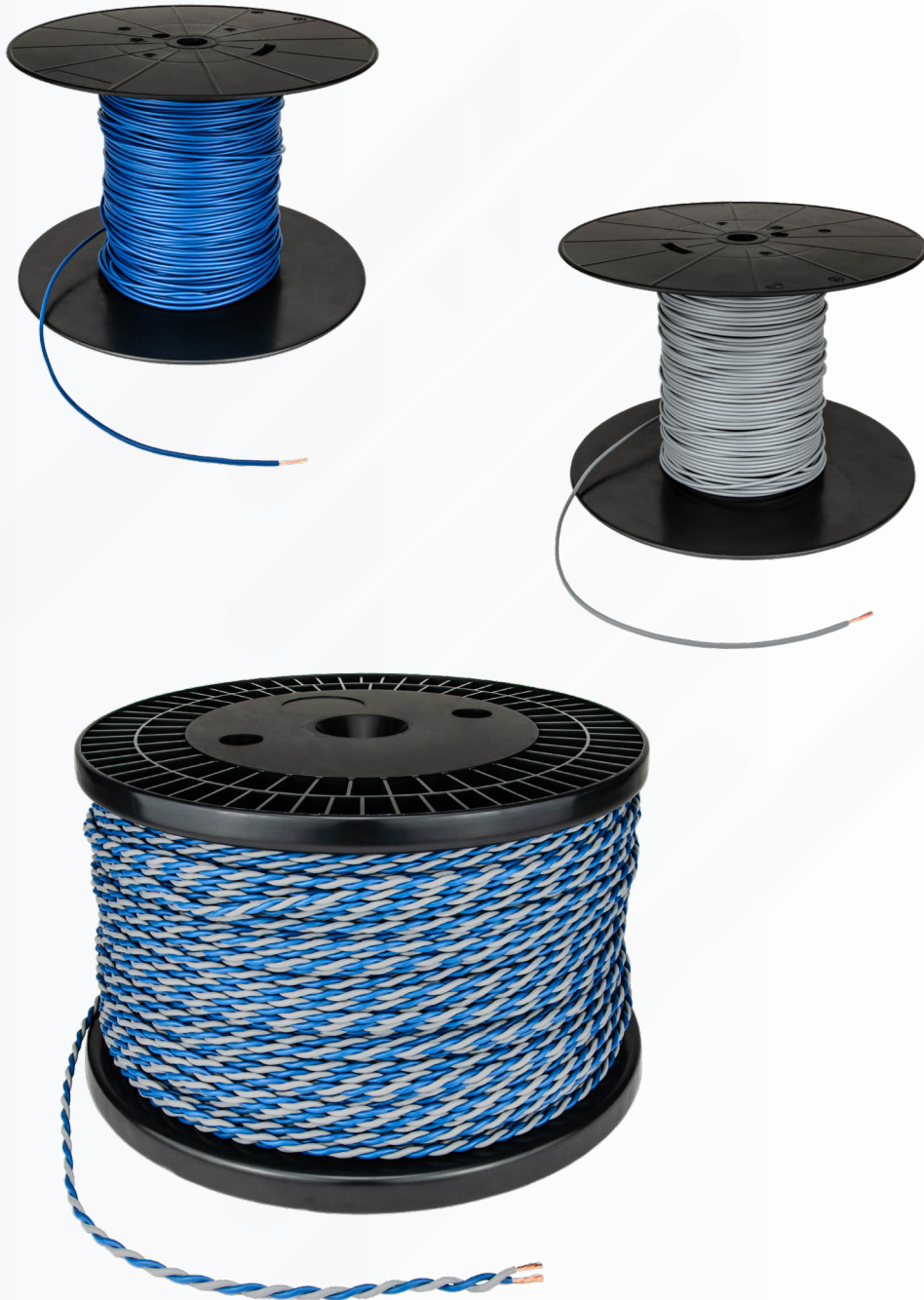
Products based on certain SilverGold alloys have a long tradition at Mundorf. Since years, our SilverGold capacitor series are being used regularly in state-of-the-art projects of international manufacturers and passionate DIY experts. By the way, they also love our SilverGold solder. For a reason.

Unlike electronic components such as capacitors or coils, which process the music signal in its typical frequency range, audio cables and wires as electrical conductors solely serve one purpose: To get the music signal from A to B with as little interference as any possible. Not an easy task.

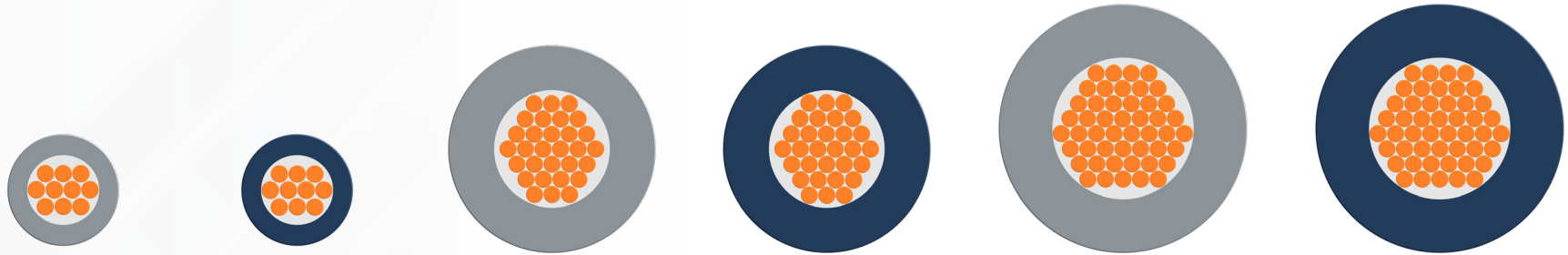
For electro-physical reasons, the current of the music signal causes the conductor material to resonate. One negative effect of these resonances is the resulting loss of energy of power and expression in music signal. Another one is the signal-influencing feedback effect of those resonances on musical details and sound staging. For example with our coils, a solid vacuumizing process reduces these negative effects very effectively. Inside our capacitors and resistors, additional damping materials ensure the greatest possible reduction of unwanted resonances, which vary greatly depending on the conductor medium itself.

In listening comparisons of loudspeaker cables, the Angelique®Copper alloy obviously resonates differently and most probably less strongly than the involved 3 metals individually: Calm from within, transparent and structured down to very smallest audible detail, every sort of music is performed to the point. Its expressiveness and tonal balance are certainly due to the Angelique®Copper alloy itself, which advantageously combines the best tonal characteristics of copper, silver and gold.

Angelique®copper stranded cables and wires can generally be used for audio connections of all kinds. Examples are the production of speaker cables and RCA cables or the internal wiring of components and loudspeakers. Furthermore, also power cords for audio devices as well as USB and AV cables from Angelique®Copper provide an audible improvement.



## Stranded Single Wire



	ACS1050GY	ACS1050BU	ACS1150GY	ACS1150BU	ACS1250GY	ACS1250BU
<b>Ø Conductor</b> [mm]	10 x 0.25	10 x 0.25	30 x 0.25	30 x 0.25	50 x 0.25	50 x 0.25
<b>A Conductor</b> [mm <sup>2</sup> ]	0.5	0.5	1.5	1.5	2.5	2.5
<b>AWG</b> (approx.)	20	20	15-16	15-16	13	13
<b>Conductor</b>	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper
<b>Ø Outer</b> [mm]	1.6 +/- 0.1	1.6 +/- 0.1	3.0 +/- 0.2	3.0 +/- 0.2	3.6 +/- 0.2	3.6 +/- 0.2
<b>Bending radius</b> [mm]	6.5	6.5	12	12	14.5	14.5
<b>Insulation</b>	PVC Y18	PVC Y18	PVC T11+T12	PVC T11+T12	PVC T11+T12	PVC T11+T12
<b>R DC</b> [mOhm/m]	35	35	12	12	7	7
<b>U rated</b> [V]	100	100	450	450	450	450
<b>T max.</b> [C°]	90	90	70	70	70	70
<b>Colour</b>	grey	blau	grey	blau	grey	blau
<b>Weight</b> [g/m]	6.2	6.2	19.7	19.7	30.3	30.3

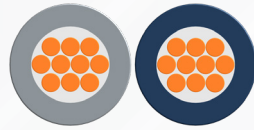
### Application Suggestions

Loudspeaker Internal Wiring: Tweeter  
 Audio Electronics Internal Wiring  
 RCA Cables  
 XLR Cables  
 Headphone Cabling  
 USB Cables  
  
 & more

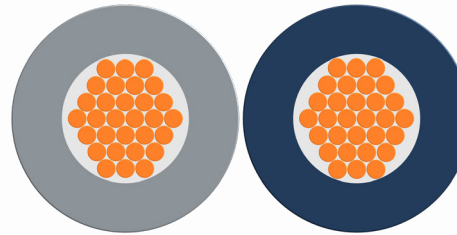
Speaker Cables  
 Loudspeaker Internal Wiring: Mid  
 Audio Electronics Internal Wiring  
 Power Cords  
  
 & more

Speaker Cables  
 Loudspeaker Internal Wiring: Woofer  
 Audio Electronics Internal Wiring  
 Power Cords  
  
 & more

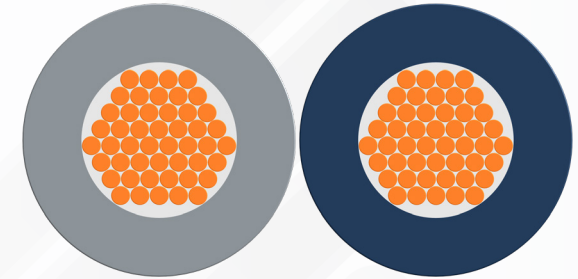
## Stranded Twisted Pair Wire



**ACS2050GY/BU**



**ACS2150GY/BU**



**ACS2250GY/BU**

<b>Ø Conductor</b> [mm]	2x 10 x 0.25	2x 30 x 0.25	2x 50 x 0.25
<b>A Conductor</b> [mm <sup>2</sup> ]	2x 0.5	2x 1.5	2x 2.5
<b>AWG</b> (approx.)	2x 20	2x 15-16	2x 13
<b>Conductor</b>	Angelique®Copper	Angelique®Copper	Angelique®Copper
<b>Ø Outer</b> [mm]	2x 1.6 +/- 0.1	2x 3.0 +/- 0.2	2x 3.6 +/- 0.2
<b>Bending radius</b> [mm]	8	14	16
<b>Insulation</b>	PVC Y18	PVC T11+T12	PVC T11+T12
<b>R DC</b> [mOhm/m]	2x 35	2x 12	2x 7
<b>U rated</b> [V]	100	450	450
<b>T max.</b> [C°]	90	70	70
<b>Colour</b>	grey / blue	grey / blue	grey / blue
<b>Weight</b> [g/m]	12.8	41.4	63.7
<b>Twist Pitch</b> [mm]	25	30	30

### Application Suggestions

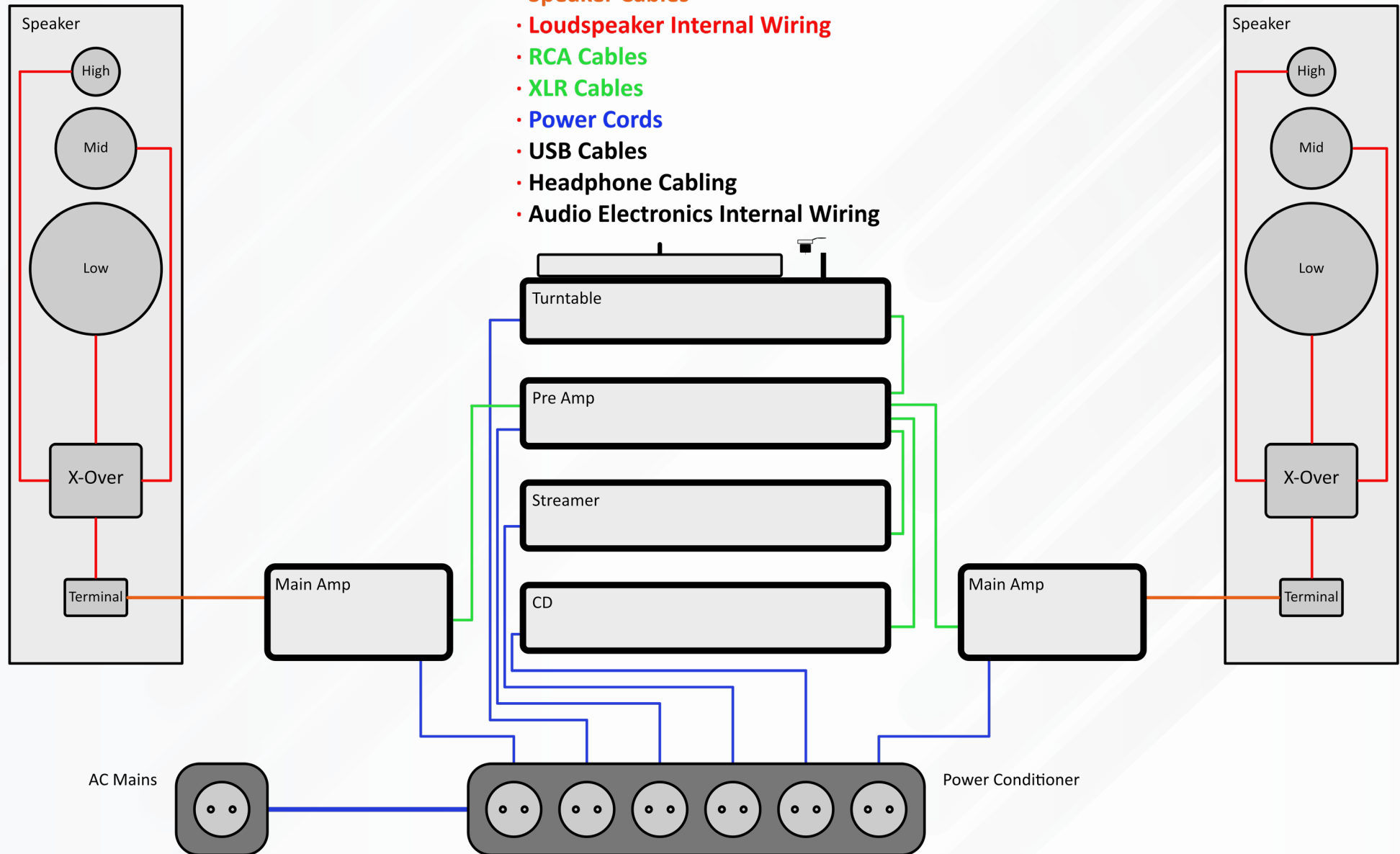
Loudspeaker Internal Wiring: Tweeter  
 Audio Electronics Internal Wiring  
 RCA Cables  
 XLR Cables  
 Headphone Cabling  
 USB Cables  
  
 & more

Speaker Cables  
 Loudspeaker Internal Wiring: Mid  
 Audio Electronics Internal Wiring  
 Power Cords  
  
 & more

Speaker Cables  
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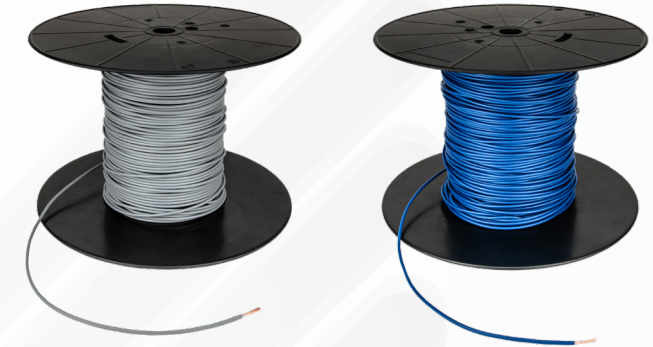
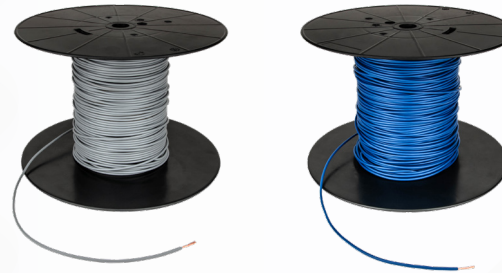
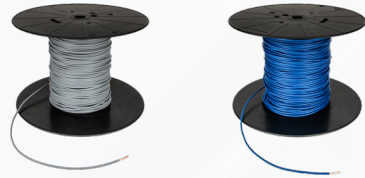
## Application Suggestions

- **Speaker Cables**
- **Loudspeaker Internal Wiring**
- **RCA Cables**
- **XLR Cables**
- **Power Cords**
- **USB Cables**
- **Headphone Cabling**
- **Audio Electronics Internal Wiring**



## Available Packing Units

(Symbol photos)



ACS1050GY	Order Number PU	Length [m]
	ACS1050GY-00.060	60
	ACS1050GY-00.500	500
	ACS1050GY-01.500	1500

ACS1150GY	Order Number PU	Length [m]
	ACS1150GY-00.024	24
	ACS1150GY-00.200	200
	ACS1150GY-00.500	500

ACS1250GY	Order Number PU	Length [m]
	ACS1250GY-00.012	12
	ACS1250GY-00.100	100
	ACS1250GY-00.300	300

ACS1050BU	Order Number PU	Length [m]
	ACS1050BU-00.060	60
	ACS1050BU-00.500	500
	ACS1050BU-01.500	1500

ACS1150BU	Order Number PU	Length [m]
	ACS1150BU-00.024	24
	ACS1150BU-00.200	200
	ACS1150BU-00.500	500

ACS1250BU	Order Number PU	Length [m]
	ACS1250BU-00.012	12
	ACS1250BU-00.100	100
	ACS1250BU-00.300	300



ACS2050GY/BU	Order Number PU	Length [m]
	ACS2050GY/BU-00.060	60
	ACS2050GY/BU-00.500	500
	ACS2050GY/BU-00.750	750

ACS2150GY/BU	Order Number PU	Length [m]
	ACS2150GY/BU-00.024	24
	ACS2150GY/BU-00.200	200
	ACS2150GY/BU-00.250	250

ACS2250GY/BU	Order Number PU	Length [m]
	ACS2250GY/BU-00.012	12
	ACS2250GY/BU-00.100	100
	ACS2250GY/BU-00.150	150