



ACW

Angelique® Copper Solid Core Wire with PTFE Insulation Angelique® Copper Solid Core Wire bare

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 a product enriched with SilverGold. 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. For 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.

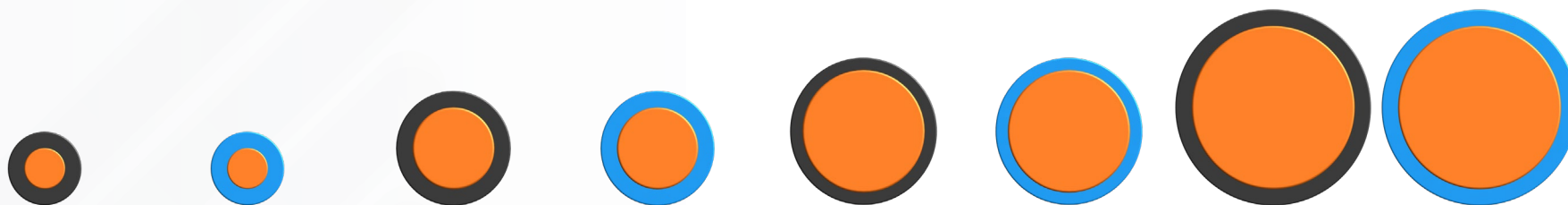
Unlike electronic components such as capacitors or coils, which process the music signal in its typical frequency range, audio cables and wires as electrical conductors solely serve one purpose: To get the music signal from A to B with as little interference as any possible. Not an easy task.

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 effect is the signal influencing feedback 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 the very smallest audible detail, every kind 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 solid core wires can generally be used for audio connections of all kind. Examples are the production of speaker cables and RCA cables or the internal wiring of components and loudspeakers. Furthermore, also USB and AV cables from Angelique® Copper provide an audible improvement.

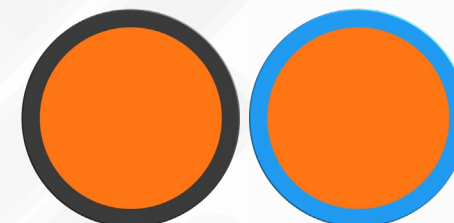
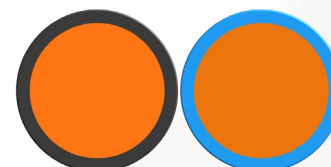
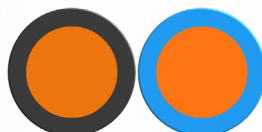
Solid Core Single Wire



	ACW105P-BK	ACW105BU	ACW110P-BK	ACW110P-BU	ACW115P-BK	ACW115P-BU	ACW120P-BK	ACW120P-BU
Ø Conductor [mm]	0.5	0.5	1.0	1.0	1.5	1.5	2.0	2.0
A Conductor [mm ²]	0.196	0.196	0.785	0.785	1.767	1.767	3.142	3.142
AWG (ca.)	24	24	18-19	18-19	15	15	12	12
Conductor	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper
Ø Outer [mm]	0.9 +/- 0.1	0.9 +/- 0.1	1.4 +/- 0.1	1.4 +/- 0.1	1.8 +/- 0.2	1.8 +/- 0.2	2.4 +/- 0.2	2.4 +/- 0.2
Insulation	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped
R_{DC} [mOhm/m]	87	87	22	22	10	10	6	6
U_{rated} [V]	100	100	100	100	100	100	100	100
T_{max.} [C°]	180	180	180	180	180	180	180	180
Colour	black	blue	black	blue	black	blue	black	blue
Weight [g/m]	2.2	2.2	9.5	9.5	19.7	19.7	32.2	32.2

Application Suggestions	ACW105P-BK	ACW105BU	ACW110P-BK	ACW110P-BU	ACW115P-BK	ACW115P-BU	ACW120P-BK	ACW120P-BU
	Loudspeaker Internal Wiring: Tweeter		Speaker Cables		Speaker Cables		Speaker Cables	
	Audio Electronics Internal Wiring		Loudspeaker Internal Wiring: Tweeter/Mid		Loudspeaker Internal Wiring: Mid/Woofers		Loudspeaker Internal Wiring: Woofers	
	RCA Cables		Audio Electronics Internal Wiring		Audio Electronics Internal Wiring		Audio Electronics Internal Wiring	
	XLR Cables		& more		& more		& more	
	& more							

Solid Core Twisted Pair Wire



ACW205BK/BU

ACW210BK/BU

ACW215BK/BU

ACW220BK/BU

∅ Conductor [mm]	2x 0.5	2x 1.0	2x 1.5	2x 2.0
A Conductor [mm ²]	2x 0.196	2x 0.785	2x 1.767	2x 3.142
AWG (ca.)	2x 24	2x 18-19	2x 15	2x 12
Conductor	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper
∅ Outer [mm]	2x 0.9 +/- 0.1	2x 1.4 +/- 0.1	2x 1.8 +/- 0.2	2x 2.4 +/- 0.2
Insulation	PTFE wrapped	PTFE wrapped	PTFE wrapped	PTFE wrapped
R_{DC} [mOhm/m]	2x 87	2x 22	2x 10	2x 6
U_{rated} [V]	100	100	100	100
T_{max.} [C°]	180	180	180	180
Colour	black / blue	black / blue	black/ blue	black/ blue
Weight [g/m]	4.6	19.8	41.3	67.6
Twist Pitch [mm]				

Application Suggestions

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

Speaker Cables
Loudspeaker Internal Wiring:
Tweeter/Mid
Audio Electronics Internal Wiring
& more

Speaker Cables
Loudspeaker Internal Wiring:
Mid/Woofer
Audio Electronics Internal Wiring
& more

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

Solid Core Single Bare Wire



	ACW105	ACW110	ACW115	ACW120
∅ Conductor [mm]	0.5	1.0	1.5	2.0
A Conductor [mm²]	0.196	0.785	1.767	3.142
AWG (ca.)	24	18-19	15	12
Conductor	Angelique®Copper	Angelique®Copper	Angelique®Copper	Angelique®Copper
∅ Outer [mm]	0.5 +/- 0.1	1.4 +/- 0.1	1.8 +/- 0.2	2.4 +/- 0.2
R DC [mOhm/m]	87	22	10	6
Weight [g/m]	2.2	9.5	19.7	32.2

Application Suggestions

Loudspeaker Internal Wiring: Tweeter	Speaker Cables	Speaker Cables	Speaker Cables
Audio Electronics Internal Wiring	Loudspeaker Internal Wiring: Tweeter/Mid	Loudspeaker Internal Wiring: Mid/Woofer	Loudspeaker Internal Wiring: Woofer
RCA Cables	Audio Electronics Internal Wiring	Audio Electronics Internal Wiring	Audio Electronics Internal Wiring
XLR Cables	& more	& more	& more
& more			

Application Suggestions

ACW - Angelique® Copper Solid Core Wires

- **Speaker Cables**
- **Loudspeaker Internal Wiring**
- **RCA Cables**
- **XLR Cables**
- **Audio Electronic Internal Wiring**

- **& more**

