

**MCoil FC** foil coils are wound layer by layer and are of particularly low-capacitive, even though their similarity to our foil wound capacitors would suggest otherwise.

Their unique performance quality unites the tonal virtues of OFC Copper foil with the clarity and precision generally typical for all air core coils, alongside the authenticity of a tightly cemented reel which is practically microphonic-free.

For High-End mid and high frequency applications, they are particularly distinguished by their 3D-like staging, their harmoniously-dynamic vitality and detailed performance.

If you want truly distortion-free but multi-faceted and all-musical beauty, you may consider copper foil coils as first choice for your bass coils.

Please find detailed information on the advantages of different coil technologies on pages 30 to 32. Key words:

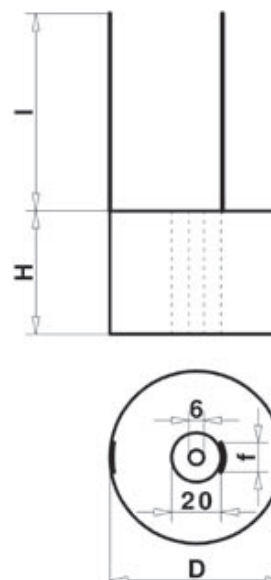
**Air coils • OFC-copper • Foil coils**



**Technical specifications:**

Cu-Foil: 70  $\mu$  / OFC-Copper 99,99% pure  
Insulation: Polypropylen 20  $\mu$  / central bore: 6 mm  
Permissible ambient temperature: 85°C/185°F

Type	foil height	conductor cross-section [mm <sup>2</sup> ]	$\triangle$ round wire- $\emptyset$ [mm]	H [mm]	f [mm]	l [mm]
...fc16	17 mm	1,19	1,23	24 $\pm$ 2	9 $\pm$ 1	<10 mH : 100 >8,2 mH : 140
...fc14	28 mm	1,96	1,58	34 $\pm$ 2	14 $\pm$ 2	<1,5 mH : 100 >1,2 mH : 140
...fc12	44 mm	3,08	1,98	52 $\pm$ 2	13 $\pm$ 2	<1,2 mH : 100 <2,4 mH : 170 >2,4 mH : 190
...fc10	70 mm	4,90	2,50	77 $\pm$ 2	18 $\pm$ 2	<0,82 mH : 100 <2,70 mH : 170 >2,20 mH : 190





**CFC16**

**Air-core coils, foil 17 mm**

Cross-section 1.19 mm<sup>2</sup>  $\triangleq$  round wire  $\varnothing$  1.23

Inductance [mH] $\pm 2\%$	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,10	34	8,99
0,12	0,10	35	9,49
0,15	0,12	37	9,99
0,18	0,13	38	10,90
0,22	0,15	38	11,90
0,27	0,16	42	12,90
0,33	0,18	44	13,90
0,39	0,20	46	14,90
0,47	0,23	48	15,90
0,56	0,26	50	16,90
0,68	0,29	52	17,90
0,82	0,32	54	18,90
1,0	0,37	57	19,90
1,2	0,41	61	21,90
1,5	0,47	65	23,90
1,8	0,50	70	25,90
2,0	0,55	72	27,90
2,2	0,59	72	29,90
2,7	0,66	77	31,90
3,0	0,70	81	33,90
3,3	0,74	81	35,90
3,9	0,84	85	38,90
4,7	0,93	91	42,90
5,6	1,05	95	46,90
6,8	1,18	102	51,90
8,2	1,31	108	57,90
10	1,50	115	64,90

**CFC14**

**Air-core coils, foil 28 mm**

Cross-section 1.96 mm<sup>2</sup>  $\triangleq$  round wire  $\varnothing$  1.58 mm

Inductance [mH] $\pm 2\%$	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,07	36	11,90
0,12	0,08	37	12,90
0,15	0,09	39	13,90
0,18	0,09	42	14,90
0,22	0,11	43	15,90
0,27	0,12	44	16,90
0,33	0,13	47	17,90
0,39	0,15	49	19,90
0,47	0,17	52	21,90
0,56	0,18	54	23,90
0,68	0,20	60	26,90
0,82	0,22	63	29,90
1,0	0,26	64	32,90
1,2	0,29	68	35,90
1,5	0,33	70	38,90
1,8	0,36	71	41,90
2,0	0,39	75	44,90
2,2	0,41	78	47,90
2,7	0,46	81	51,90
3,0	0,48	83	55,90
3,3	0,50	85	59,90
3,9	0,53	90	64,90
4,7	0,64	95	69,90
5,6	0,68	99	79,90
6,8	0,74	105	89,90
8,2	0,81	109	99,90
10	0,88	120	109,90
12	0,95	121	119,90
15	1,02	125	129,90

**CFC12**

**Air-core coils, foil 44 mm**

Cross-section 3.08 mm<sup>2</sup>  $\triangleq$  round wire  $\varnothing$  1.98

Inductance [mH] $\pm 2\%$	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,05	38	17,90
0,12	0,06	40	19,90
0,15	0,06	42	21,90
0,18	0,06	43	23,90
0,22	0,08	47	25,90
0,27	0,09	49	27,90
0,33	0,10	50	29,90
0,39	0,11	52	32,90
0,47	0,12	54	35,90
0,56	0,14	55	39,90
0,68	0,15	60	43,90
0,82	0,17	65	48,90
1,0	0,19	69	53,90
1,2	0,21	73	58,90
1,5	0,24	76	63,90
1,8	0,26	81	69,90
2,0	0,28	81	75,90
2,2	0,29	86	81,90
2,7	0,33	92	87,90
3,0	0,35	92	93,90
3,3	0,37	98	99,90
3,9	0,39	103	109,90
4,7	0,46	108	119,90
5,6	0,50	113	134,90
6,8	0,56	118	149,90
8,2	0,63	125	164,90
10	0,72	140	179,90
12	0,85	140	199,90

**CFC10**

**Air-core coils, foil 70 mm**

Cross-section 4.90 mm<sup>2</sup>  $\triangleq$  round wire  $\varnothing$  2.50 mm

Inductance [mH] $\pm 2\%$	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,04	44	27,90
0,12	0,04	44	29,90
0,15	0,05	45	32,90
0,18	0,05	48	36,90
0,22	0,06	49	41,90
0,27	0,06	52	47,90
0,33	0,07	54	54,90
0,39	0,08	56	61,90
0,47	0,09	58	69,90
0,56	0,10	61	79,90
0,68	0,11	65	89,90
0,82	0,12	69	99,90
1,0	0,14	74	109,90
1,2	0,15	77	119,90
1,5	0,17	80	129,90
1,8	0,19	83	139,90
2,0	0,20	83	149,90
2,2	0,21	88	164,90
2,7	0,23	92	179,90
3,0	0,25	94	194,90
3,3	0,27	99	209,90
3,9	0,28	104	229,90
4,7	0,31	109	249,90
5,6	0,36	114	269,90
6,8	0,41	121	299,90
8,2	0,47	125	329,90

**MCoil SFC** silverfoil coils have been developed for uncompromising state-of-the-art audio applications focused on absolutely flawless and a holographic 3D-like performance at utmost dynamics providing a considerably increased range of vivid, subtle timbres and precision.

Their acoustic features unite the typical tonal beauty and authenticity of air core coils with the three-dimensional staging of a tightly cemented, microphonic-free reel alongside the outstanding tonal properties of silver foil in terms of multi-faceted and truly 'life-like' performance of voices and instruments.

However, the exceptional tonal quality of the **SFC** series can be further enhanced by adding 1% of the purest gold making it the **SGFC** series then.

Please find detailed information on the advantages of the different coil technologies on pages 30 to 32. Key words:

**Air coils • Silver/SilverGold • Foil coils**



**Technical specifications MCoil Silver:**

Ag-foil: 70  $\mu$   
Purity of silver: min. 99.97% typ. 99.99%  
Insulation: Polypropylen 20  $\mu$   
Central bore: 6 mm  
Permissible ambient temperature 85°C/185°F

**Technical specifications MCoil SilverGold:**

AgAu-foil: 70  $\mu$  / proportion of gold 1%  
Purity of silver: min. 99.97% typ. 99.99%  
Purity of gold: min. 99.97% typ. 99.99%  
Insulation: Polypropylen 20  $\mu$   
Central bore: 6 mm  
Permissible ambient temperature 85°C/185°F

**SFC16**

**Air-core coils, foil 17 mm, Silver**

Cross-section 1.19 mm<sup>2</sup>  $\pm$  round wire  $\varnothing$  1.23 mm

Inductance [mH] $\pm$ 2%	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,09	35	
0,12	0,09	36	on request
0,15	0,10	38	
0,18	0,11	39	
0,22	0,12	40	
0,27	0,14	42	
0,33	0,16	44	
0,39	0,18	46	
0,47	0,20	48	
0,68	0,23	52	
0,82	0,26	54	
1,0	0,30	58	
1,2	0,34	61	
1,5	0,39	65	
1,8	0,45	70	
2,2	0,49	72	

**SFC14**

**Air-core coils, foil 28 mm, Silver**

Cross-section 1.96 mm<sup>2</sup>  $\pm$  round wire  $\varnothing$  1.58 mm

Inductance [mH] $\pm$ 2%	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,06	39	
0,12	0,07	40	on request
0,15	0,08	40	
0,18	0,09	41	
0,22	0,11	43	
0,27	0,12	46	
0,33	0,13	49	
0,39	0,14	51	
0,47	0,15	56	
0,68	0,18	60	
0,82	0,20	63	
1,0	0,23	66	
1,2	0,25	68	
1,5	0,27	70	
1,8	0,29	74	
2,2	0,32	78	

**SGFC16**

**Air-core coils, foil 17 mm, SilverGold**

Cross-section 1.19 mm<sup>2</sup>  $\pm$  round wire  $\varnothing$  1.23 mm

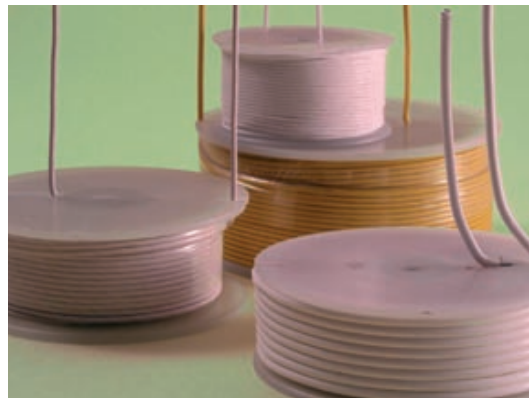
Inductance [mH] $\pm$ 2%	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,09	34	
0,12	0,09	35	on request
0,15	0,10	36	
0,18	0,11	37	
0,22	0,12	39	
0,27	0,14	42	
0,33	0,17	45	
0,39	0,18	46	
0,47	0,20	48	
0,68	0,23	52	
0,82	0,26	56	
1,0	0,30	58	
1,2	0,34	61	
1,5	0,39	65	
1,8	0,45	70	
2,2	0,49	72	

**SGFC14**

**Air-core coils, foil 28 mm, SilverGold**

Cross-section 1.96 mm<sup>2</sup>  $\pm$  round wire  $\varnothing$  1.58 mm

Inductance [mH] $\pm$ 2%	RDC [Ohm]	$\varnothing$ [mm]	[€]
0,10	0,06	39	
0,12	0,07	40	on request
0,15	0,08	40	
0,18	0,09	41	
0,22	0,11	43	
0,27	0,12	46	
0,33	0,13	49	
0,39	0,14	51	
0,47	0,15	56	
0,56	0,18	60	
0,68	0,20	63	
0,82	0,23	66	
1,0	0,25	68	
1,5	0,27	70	
1,8	0,29	74	
2,2	0,32	78	



**LSG50**

**Air-core coils, wire Ø 0.50 mm, SilverGold**

Inductance [mH] ±2%	RDC [Ohm]	Body	[€]
0,10	0,23	3610	
0,12	0,25	3610	on request
0,15	0,28	3610	
0,18	0,31	3610	
0,22	0,34	3610	
0,27	0,39	3610	
0,33	0,43	3020	
0,39	0,85	3020	
0,47	0,58	4020	
0,56	0,64	4020	
0,68	0,71	4020	
0,82	0,81	4020	
1,0	0,91	4020	

**LSG100**

**Air-core coils, wire Ø 1.00 mm, SilverGold**

Inductance [mH] ±2%	RDC [Ohm]	Body	[€]
0,10	0,20	3020	
0,12	0,22	3020	on request
0,15	0,24	3020	
0,18	0,28	4020	
0,22	0,30	4020	
0,27	0,34	4020	
0,33	0,37	4020	
0,39	0,42	4020	
0,47	0,46	5818	
0,56	0,52	5818	
0,68	0,56	5818	
0,82	0,65	5818	
1,0	0,71	5818	

**LSG150**

**Air-core coils, wire Ø 1.50 mm, SilverGold**

Inductance [mH] ±2%	RDC [Ohm]	Body	[€]
0,18	0,11	5822	
0,22	0,12	5822	on request
0,33	0,17	5828	
0,39	0,22	5828	
0,47	0,22	5828	
0,56	0,24	5828	
0,68	0,26	5828	
1,0	0,35	7029	
1,2	0,37	7029	
1,5	0,38	7029	
2,5	0,49	106	
3,5	0,61	106	

**MCoil SilverGold** were specially developed for truly uncompromising audio applications desperate for an absolutely flawless, holographic music performance with maximum neutrality and an unequalled range of vivid, subtle timbres and signal details.

They unite the air coil typical beauty and authenticity in Performance with the 3D-like staging and the virtually microphonic-free properties of a coil reel alongside the utmost precise detailing and unprecedented range of vivid timbres performed by the massive PTFE insulated silver gold wire.

Please find detailed information on the advantages of different coil technologies on pages 30 to 32. Key words:

**Air coils • SilverGold • Solid Core**

**Technical specifications:**

Coil form: PA, fibre-glass reinforced  
Coil body heat resistant up to max. 230°C/446°F  
Insulation: PTFE  
Purity of silver: min. 99.97% typ. 99.99%  
Purity of gold: min. 99.97% typ. 99.99%  
Mixture ratio: 99% Silber / 1% Gold