

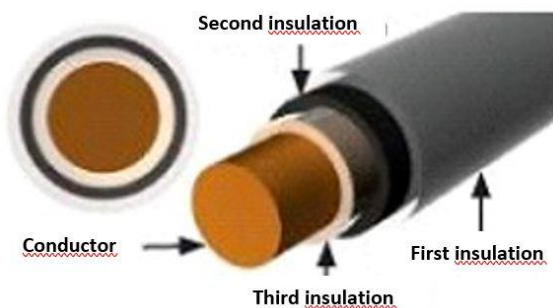
WINDING WIRES AND HIGH FREQUENCY LITZ WIRES / MULTIPLE INSULATED WIRES



Due to their dielectric strength, wires insulated several times with fluoroplastics allow the construction of compact transformers without intermediate insulation between the primary and secondary windings. This results in better magnetic coupling between the windings, which results in lower leakage inductances.



Wires, double insulated with PFA Teflon®, class H



For applications with limited space for windings, where the slightly lower dielectric strength is sufficient.

Conductor material:	tinned copper
Insulation:	Teflon® (FEP)
Number of layers:	2
Standard color:	---
Temperature class:	F (155° C)
Tensile strength:	20.7 N/mm2 (3000 psi)
Conformity:	UL OBJT2 File No. E206198 UL/IEC60950-1 (Ed.2), Annex U, IEC 61010-1 (Ed.3), VDE Approval No. 6715: Class F
Solderability:	suitable for reflow soldering due to temperature resistance

Insulation thickness/layer:		0,038 mm (0.0015")		0,51 mm (0.002")		0,76 mm (0.003")						
Operating voltage:		1000		1000 V		1000 V						
Breakdown voltage:		ca. 8000 V		ca. 10000 V		ca. 13000 V						
Tolerancies:												
AW G	18 - 24	+ 0,025/ - 0,025 mm		18 - 24	+ 0,025/ - 0,025 m		18 - 24	+ 0,025 / - 0,025 mm				
AW G	25 - 40	+ 0,025/ - 0,025 mm		25 - 40	+ 0,025 / - 0,025 m		25 -32	+ 0,025 / - 0,025 mm				
Dimensions:												
AW G	Type	Conduct or-Ø	Oute r-Ø	Weigh t*	Type	Conduct or-Ø	Oute r-Ø	Weigh t*	Type	Conduct or-Ø	Oute r-Ø	Weigh t*
		[mm]	[mm]	[kg/k m]		[mm]	[mm]	[kg/k m]		[mm]	[mm]	[kg/k m]
10	---	---	---	---	---	---	---	---	T10A01PXX X-3	2,588	3,045	51,25
11	---	---	---	---	---	---	---	---	T11A01PXX X-3	2.304	2,761	41,08
12	---	---	---	---	---	---	---	---	T12A01PXX X-3	2,052	2,510	33,09
13	---	---	---	---	---	---	---	---	T13A01PXX X-3	1,829	2,286	26,64
14	---	---	---	---	---	---	---	---	T14A01PXX X-3	1,628	2,085	21,40
15	---	---	---	---	---	---	---	---	T15A01PXX X-3	1,450	1,908	17,35
16	T16A01PXX X-1.5	1,290	1,519	12,74	---	---	---	---	T16A01PXX X-3	1.290	1,748	14,02
17	T17A01PXX X-1.5	1,151	1,379	10,24	---	---	---	---	T17A01PXX X-3	1,151	1,608	11,44
18	T18A01PXX X-1.5	1,024	1,252	8,02	T18A01PXX X-2	1,024	1,328	8,56	T18A01PXX X-3	1,024	1,481	9,31

AW G	Type	Conduct or-Ø [mm]	Oute r-Ø [mm]	Weigh t* [kg/k m]	Type	Conduct or-Ø [mm]	Oute r-Ø [mm]	Weigh t* [kg/k m]	Type	Conduct or-Ø [mm]	Oute r-Ø [mm]	Weigh t* [kg/k m]
19	T19A01PXX X-1.5	0,912	1,140	6,62	T19A01PXX X-2	0,912	1,217	6,92	T19A01PXX X-3	0,912	1,369	7,61
20	T20A01PXX X-1.5	0,813	1,041	5,16	T20A01PXX X-2	0,813	1,118	5,61	T20A01PXX X-3	0,813	1,270	6,25
21	T21A01PXX X-1.5	0,724	0,953	4,16	T21A01PXX X-2	0,724	1,029	4,58	T21A01PXX X-3	0,724	1,181	5,16
22	T22A01PXX X-1.5	0,643	0,871	3,34	T22A01PXX X-2	0,643	0,947	3,72	T22A01PXX X-3	0,643	1,100	4,27
23	T23A01PXX X-1.5	0,574	0,803	2,72	T23A01PXX X-2	0,574	0,879	3,10	T23A01PXX X-3	0,574	1,031	3,57
24	T24A01PXX X-1.5	0,511	0,739	2,20	T24A01PXX X-2	0,511	0,815	2,51	T24A01PXX X-3	0,511	0,968	2,99
25	T25A01PXX X-1.5	0,455	0,683	1,79	T25A01PXX X-2	0,455	0,759	2,08	T25A01PXX X-3	0,455	0,912	2,53
26	T26A01PXX X-1.5	0,404	0,632	1,46	T26A01PXX X-2	0,404	0,709	1,73	T26A01PXX X-3	0,404	0,861	2,14
27	T27A01PXX X-1.5	0,361	0,589	1,19	T27A01PXX X-2	0,361	0,665	1,44	T27A01PXX X-3	0,361	0,818	1,85
28	T28A01PXX X-1.5	0,320	0,549	0,98	T28A01PXX X-2	0,320	0,625	1,22	T28A01PXX X-3	0,320	0,777	1,58
29	T29A01PXX X-1.5	0,287	0,516	0,82	T29A01PXX X-2	0,287	0,592	1,04	T29A01PXX X-3	0,287	0,744	1,40
30	T30A01PXX X-1.5	0,254	0,483	0,67	T30A01PXX X-2	0,254	0,559	0,88	T30A01PXX X-3	0,254	0,711	1,22
31	T31A01PXX X-1.5	0,226	0,455	0,57	T31A01PXX X-2	0,226	0,531	0,76	---	---	---	---
32	T32A01PXX X-1.5	0,203	0,432	0,48	T32A01PXX X-2	0,203	0,508	0,67	---	---	---	---
33	T33A01PXX X-1.5	0,180	0,409	0,41	---	---	---	---	---	---	---	---
34	T34A01PXX X-1.5	0,160	0,389	0,34	---	---	---	---	---	---	---	---
35	T35A01PXX X-1.5	0,142	0,371	0,30	---	---	---	---	---	---	---	---
36	T36A01PXX X-1.5	0,127	0,356	0,25	---	---	---	---	---	---	---	---
37	T37A01PXX X-1.5	0,114	0,343	0,24	---	---	---	---	---	---	---	---
38	T38A01PXX X-1.5	0,102	0,330	0,21	---	---	---	---	---	---	---	---
39	T39A01PXX X-1.5	0,089	0,318	0,18	---	---	---	---	---	---	---	---
40	T40A01PXX X-1.5	0,079	0,307	0,16	---	---	---	---	---	---	---	---