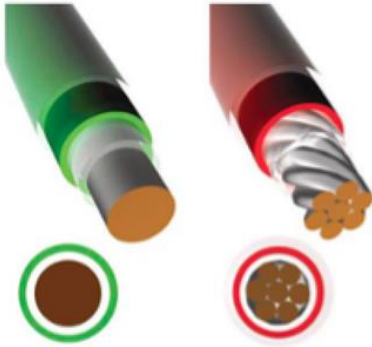
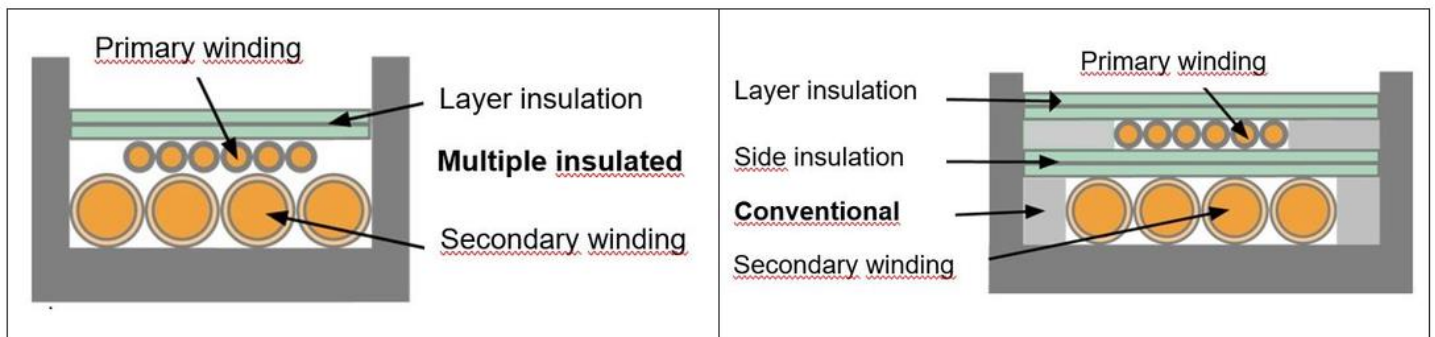


WINDING WIRES AND HIGH FREQUENCY LITZ WIRES / MULTIPLE INSULATED WIRES

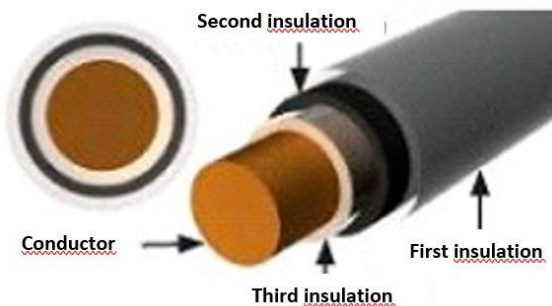


Due to their dielectric strength, wires insulated several times with fluoroplastics allow the construction of compact transformers without intermediate insulation between the primary and secondary windings. This results in better magnetic coupling between the windings, which results in lower leakage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

These wires are also ideally suited for applications in medical electrical equipment, as the breakdown voltage of the insulation is greater than 4250 volts, which is required by UL for the protection of persons.



Solid- and stranded wires, triple insulated with FEP Teflon®, class F



Conductor material:	tinned copper
Insulation:	Teflon® (FEP)
Number of layers:	3
Standard color:	---
Temperature class:	F (155° C)

Tensile strength:	20.7 N/mm ² (3000 psi)		
Flammability:	V-0		
Conformity:	UL OBJT2 File No. E206198 UL/IEC60950-1 (Ed.2), Annex U. UL 2601 IEC 61558-2-16, 60601-1 (Ed.3), 61010-1 (Ed.3), VDE Approval No. 136743: Class F		
Solderability:	suitable for reflow soldering due to temperature resistance		
Insulation thickness/layer:	0.051 mm (0.002")	0.076 mm (0.003")	0.13 mm (0.005")
Operating voltage:	1000 V	1000 V	1000 V
Breakdown voltage:	approx. 9000 V	approx. 12000 V	approx. 15000 V

Dimensional tolerances								
AWG	---	--	AWG	---	---	AWG	8 - 18	+ 0.051 / - 0.051 mm
AWG	18 - 24	+ 0.038/ - 0.038 mm	AWG	10 - 24	+ 0.038/ - 0.038 mm	AWG	20 - 30	+ 0.025 / - 0.025 mm
AWG	25 - 40	+ 0.025/ - 0.025 mm	AWG	25 - 36	+ 0.025 / - 0.025 mm	AWG	---	----

Dimensions												
AWG	Type	Conduct or Ø	Outer Ø	Weight*	Type	Conduct or Ø	Outer Ø	Weight*	Type	Conduct or Ø	Outer Ø	Weight*
		[mm]	[mm]	[kg/km]		[mm]	[mm]	[kg/km]		[mm]	[mm]	[kg/km]
10	---	---	---	---	T10A37FXX X-3	2,718	3,175	47,63	T10A37FXX X-5	2,718	3,480	51,18
12	---	---	---	---	T12A19FXX X-3	2,189	2,647	31,82	T12A19FXX X-5	2,189	2,951	34,77
14	---	---	---	---	T14A19FXX X-3	1,725	2,182	20,67	T14A19FXX X-5	1,725	2,487	23,12
16	---	---	---	---	T16A01FXX X-3	1,290	1,748	14,02	T16A01FXX X-5	1,290	2,052	16,04
16	---	---	---	--	T18A19FXX X-3	1,369	1,826	13,68	T16A19FXX X-5	1,369	2,131	15,77
18	T18A01FXX X-2	1,024	1,252	8,56	T18A01FXX X-3	1,024	1,481	9,30	T18A01FXX X-5	1,024	1,786	11,03
18	T18A19FXX X-2	1,209	1,514	10,16	T18A19FXX X-3	1,209	1,666	11,01	T18A19FXX X-5	1,209	1,971	12,93
20	T20A01FXX X-2	0,813	1,118	6,61	T20A01FXX X-3	0,813	1,270	6,25	T20A01FXX X-5	0,813	1,575	7,75
20	T20A19FXX X-2	0,978	1,283	6,77	T20A19FXX X-3	0,978	1,435	7,49	T20A19FXX X-5	0,978	1,740	9,17

AW G	Type	Conduct or Ø [mm]	Outer Ø [mm]	Weight t* [kg/km]	Type	Conduct or Ø [mm]	Outer Ø [mm]	Weight t* [kg/km]	Type	Conduct or Ø [mm]	Outer Ø [mm]	Weight t* [kg/km]
22	T22A01FXX X-2	0,643	0,871	3,72	T22A01FXX X-3	0,643	1,100	4,27	T22A01FXX X-5	0,643	1,405	6,44
22	T20A19FXX X-2	0,749	1,054	4,42	T22A19FXX X-3	0,749	1,207	5,02	T22A19FXX X-5	0,749	1,511	4,17
24	T24A01FXX X-2	0,511	0,815	2,52	T24A01FXX X-3	0,511	0,968	2,99	T24A01FXX X-5	0,511	1,273	4,81
24	T24A19FXX X-2	0,615	0,919	2,99	T24A19FXX X-3	0,615	1,072	3,53	T24A19FXX X-5	0,615	1,377	3,21
25	T25A01FXX X-2	0,455	0,759	2,08	---	---	---	---	---	---	---	---
26	T26A01FXX X-2	0,404	0,709	1,73	T26A01FXX X-3	0,404	0,861	2,14	T26A01FXX X-5	0,404	1,166	3,21
26	---	---	---	---	T26A19FXX X-3	0,483	0,940	2,46	T26A19FXX X-5	0,483	1,245	3,60
27	T27A01FXX X-2	0,361	0,665	1,44	---	---	---	---	---	---	---	---
28	T28A01FXX X-2	0,320	0,625	1,22	T28A01FXX X-3	0,320	0,777	1,58	T28A01FXX X-5	0,320	1,082	2,56
28	---	---	---	---	T28A19FXX X-3	0,386	0,843	1,82	T28A19FXX X-5	0,386	1,148	2,87
29	T29A01FXX X-2	0,287	0,592	1,04	---	---	---	---	---	---	---	---
30	T30A01FXX X-2	0,254	0,559	0,88	T30A01FXX X-3	0,254	0,711	1,22	T30A01FXX X-5	0,254	1,02	2,13
31	T31A01FXX X-2	0,226	0,531	0,76	---	---	---	---	---	---	---	---
32	T32A01FXX X-2	0,203	0,508	0,67	---	---	---	---	---	---	---	---
33	T33A01FXX X-2	0,180	0,485	0,58	---	---	---	---	---	---	---	---
34	T34A01FXX X-2	0,160	0,465	0,51	---	---	---	---	---	---	---	---
35	T35A01FXX X-2	0,142	0,447	0,45	---	---	---	---	---	---	---	---
36	T36A01FXX X-2	0,127	0,432	0,41	---	---	---	---	---	---	---	---

