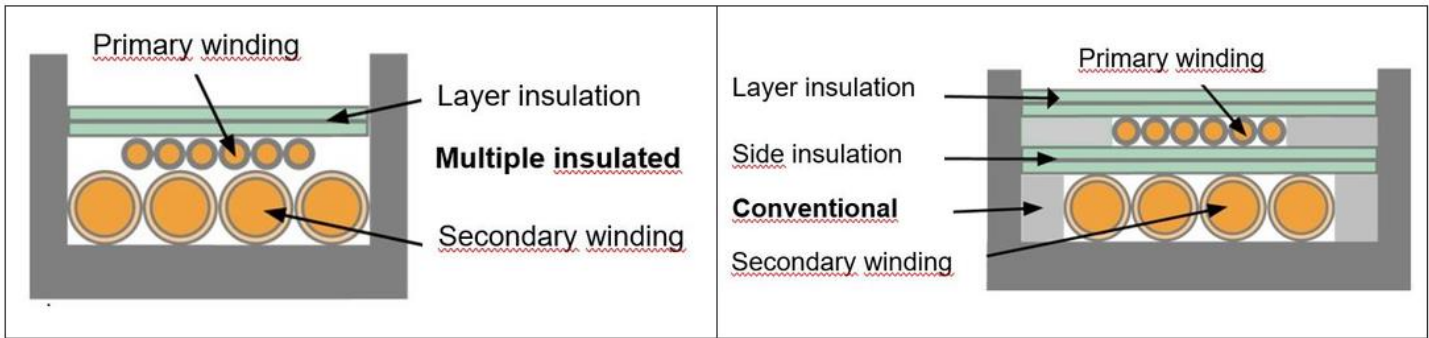


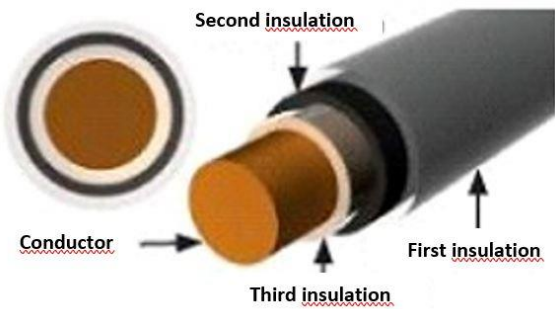
WINDING WIRES AND HIGH FREQUENCY
LITZ WIRES / MULTIPLE INSULATED WIRES



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, single and multi-insulated with modified ETFE, class F



Conductor material:	tinned copper	tinned copper	tinned copper
Insulation:	modified ETFE	modified ETFE	modified ETFE
Number of layers:	1	2	3
Insulation thickness/ Layer:	0,025 mm	0,038 mm	0,038 mm
Standard color:	orange	blue	gray

Other colors on request															
Temperature class:		F (155° C)				F (155° C)				F (155° C)					
Operating voltage:		UL: 600 V, VDE:1000 V				UL: 600 V, VDE:1000 V				UL: 1500 V ((707 V medizin.), VDE:1000 V					
Tensile strength:		45 N/mm2 (6500 psi)				45 N/mm2 (6500 psi)				45 N/mm2 (6500 psi)					
Breakdown voltage:		ca. 2000 V				ca. 4500 V				ca. 7000 V					
Solderability:		ca. 380 °C mit Flussmittel													
Flammability:		V-0													
Conformity:		UL OBJT2 File No. E206198 UL/IEC60950-1 (Ed.3), Annex U. UL 2601, IEC 61558-2-16													
		VDE-Recognition Nr. 40000223: Klasse F								VDE Recognition Nr. 136743: Klasse F					
Measurements / Tolerances:															
AWG				---	18 - 24	+ 0,038 / - 0,038 mm				18 - 24	+ 0,038 / - 0,025 mm				
AWG		26 - 40		+ 0,025 / - 0,012 mm	25 - 40	+ 0,025 / - 0,025 mm				25 - 40	+ 0,025 / - 0,025 mm				
Abmessungen:															
AWG	Typ		Conduct or-Ø	Outer-Ø	Weight t* [kg/km]	Typ		Conduct or-Ø	Outer-Ø	Weight*kg/km	Typ		Conduct or-Ø	Outer-Ø	Weight t* [kg/km]
18	---		----	---	---	TCA2/18		1,02	1,176	7,77	TCA3/18	◆	1,024	1,252	8,02
19	---		----	---	---	TCA2/19		0,91	1,064	6,21	TCA3/19		0.912	1,140	6,43
20	---		----	---	---	TCA2/20		0,81	0,965	4,96	TCA3/20	◆	0,813	1,041	5,17
21	---		----	---	---	TCA2/21		0,72	0,876	3,99	TCA3/21		0,724	0,952	4,17
22	---		----	---	---	TCA2/22		0,64	0,795	3,19	TCA3/22	◆	0,643	0,871	3,35
23	---		----	---	---	TCA2/23		0,57	0,726	2,58	TCA3/23		0,574	0,802	2,58
24	---		----	---	---	TCA2/24		0,51	0,663	2,06	TCA3/24	◆	0,511	0,739	2,05
25	---		----	---	---	TCA2/25		0,45	0,607	1,67	TCA3/25		0,455	0,683	1,79
26	TCA1/26		0,404	0,480	1,24	TCA2/26		0,40	0,556	1,34	TCA3/26	◆	0,404	0,632	1,45
27	TCA1/27		0,361	0,437	0,98	TCA2/27		0,36	0,513	1,09	TCA3/27		0,361	0,589	1,19
28	TCA1/28		0,327	0,396	0,79	TCA2/28		0,32	0,472	0,88	TCA3/28	◆	0,327	0,549	0,98
29	TCA1/29		0,287	0,363	0,64	TCA2/29		0,28	0,439	0,73	TCA3/29		0,287	0,516	0,82
30	TCA1/30		0,254	0,330	0,51	TCA2/30		0,25	0,406	0,58	TCA3/30	◆	0,254	0,483	0,67

AW G	Typ	Conduc tor-Ø	Out er-Ø	Weig ht* [kg/k m]	Typ	Conduc tor -Ø	Out er-Ø	Weight*kg /km	Typ	Conduc tor -Ø	Outer- Ø	Weig ht* [kg/k m]	AW G	Typ	Conduc tor-Ø
31	TCA1/ 31		0,22 6	0,302	0,4 2	TCA2/3 1		0,22	0,3 78	0,48	TCA3/ 31		0,2 26	0,4 55	0,57
32	TCA1/ 32		0,20 3	0,279	0,3 4	TCA2/3 2		0,20	0,3 56	0,40	TCA3/ 32	◆	0,2 03	0,4 32	0,48
33	TCA1/ 33		0,17 8	0,257	0,2 7	TCA2/3 3		0,18	0,3 07	0,34	TCA3/ 33		0,1 78	0,4 09	0,40
34	TCA1/ 34		0,16 0	0,236	0,2 2	TCA2/3 4		0,160	0,2 87	0,28	TCA3/ 34	◆	0,1 60	0,3 89	0,34
35	TCA1/ 35		0,14 2	0,218	0,1 8	TCA2/3 5		0,142	0,2 69	0,24	TCA3/ 35		0,1 42	0,3 71	0,30
36	TCA1/ 36		0,12 7	0,203	0,1 5	TCA2/3 6		0,127	0,2 54	0,19	TCA3/ 36		0,1 27	0,3 56	0,25
37	TCA1/ 37		0,11 4	0,191	0,1 2	TCA2/3 7		0,114	0,2 41	0,16	TCA3/ 37		0,11 4	0,3 43	0,24
38	TCA1/ 38		0,10 2	0,178	0,1 0	TCA2/3 8		0,102	0,2 29	0,15	TCA3/ 38		0,1 02	0,3 30	0,21
39	TCA1/ 39		0,08 9	0,165	0,0 7	TCA2/3 9		0,089	0,2 16	0,12	TCA3/ 39		0,0 89	0,3 18	0,18
40	TCA1/ 40		0,07 9	0,155	0,0 7	TCA2/4 0		0,079	0,2 06	0,10	TCA3/ 40		0,0 79	0,3 07	0,16

◆ available from stock