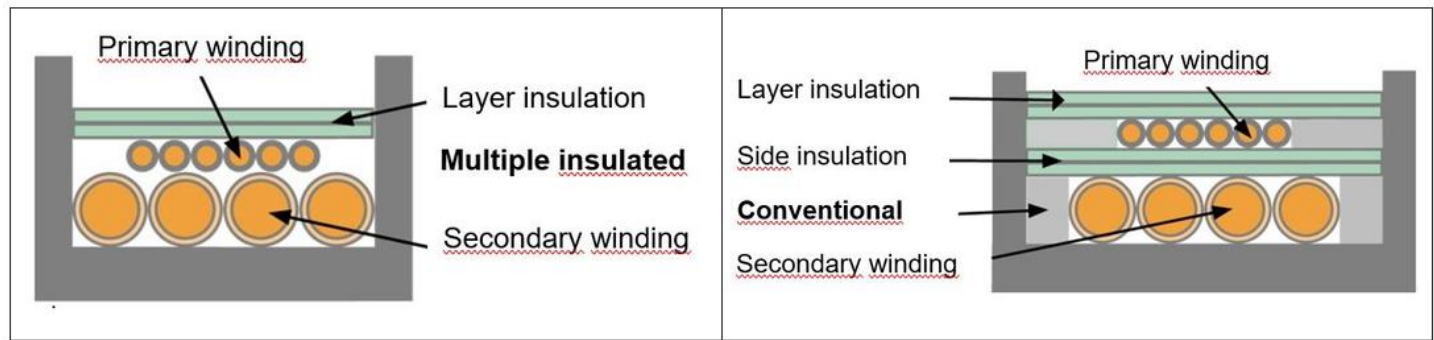


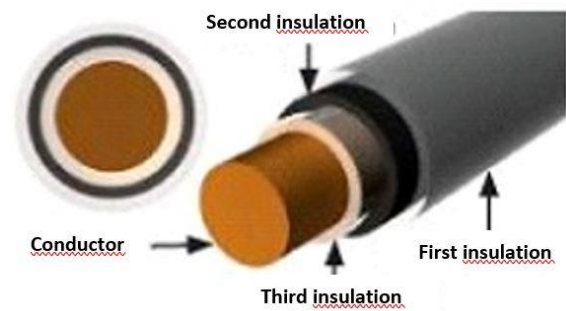
WINDING WIRES AND HIGH FREQUENCY
LITZ WIRES / MULTIPLE INSULATED WIRES



These wires are also well recommended 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.



Wires, multi-insulated with PFA class H and FEP class F, Teflon®



Wires triple insulated with PFA, class H

Conductor material:	tinned copper
Insulation:	Teflon® (PFA)
Number of layers:	3

Standard color:	---
Temperature class:	H (180° C, peak 260 °C)
Tensile strength:	24.8 N/mm2 (3600 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. 6715: Class F
Solderability:	suitable for reflow soldering due to temperature resistance

Insulation thickness	0,038 mm (0,0015")		0,51 mm (0,002")		0,76 mm (0,003")
Operating voltage	1000 V		1000 V		1000 V
Breakdown voltage	Ca. 8000 V		ca. 10'000 V		Ca. 13'000 V

Dimensional Tolerances

AW G	18 - 24	+ 0,025/ - 0,025 mm	18 - 24	+ 0,025/ - 0,025 mm	18 - 24	+ 0,025 / - 0,025 mm
AW G	25 - 40	+ 0,025/ - 0,025 mm	25 - 40	+ 0,025 / - 0,025 mm	25 -32	+ 0,025 / - 0,025 mm

Dimensions

AW G	Type	Conduct or (mm)	Outer- Ø (mm)	Weight (kg/km)	Type	Conduct or (mm)	Outer- Ø (mm)	Weight (kg/km)	Type	Conduct or (mm)	Outer- Ø (mm)	Weight (kg/km)
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
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

AW G	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)
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	---	---	---	---	---	---	---	---

Individual dimensions are also available as stranded wire.

Wires double insulated with FEP, class F

Conductor material:	tinned copper
Insulation:	Teflon® (FEP)
Number of layers:	2
Standard color:	---
Temperature class:	F (155° C)
Tensile strength:	20.7 N/mm ² (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	0,038 mm (0,0015")		0,51 mm (0,002")		0,76 mm (0,003")
Operating voltage	1000 V		1000 V		1000 V
Breackdown voltage	Ca. 8000 V		ca. 10'000 V		Ca. 13'000 V

Dimensional Tolerances

AW G	18 - 24	+ 0,025/ - 0,025 mm	18 - 24	+ 0,025/ - 0,025 mm	18 - 24	+ 0,025 / - 0,025 mm
AW G	25 - 40	+ 0,025/ - 0,025 mm	25 - 40	+ 0,025 / - 0,025 mm	25 -32	+ 0,025 / - 0,025 mm

Dimensions

AW G	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (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 (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (mm)	Oute r- Ø (mm)	Weigh t (kg/k m)	Type	Conduct or (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	---	---	---	---	---	---	---	---