

Triple Insulated Wires

Rubadue Wire was the first company to design and manufacture triple insulated wires.

Triple insulated wires can be used to meet several design requirements:

- Wind directly on top of magnet wire
- Wind bobbin wall to wall
- Use as primary or secondary winding
- Meet creepage and clearance requirements
- High voltage
- Applicatins requiring reinforced isolation
- Ground insulation in UL 1446 systems
- Leakage or loss reduction
- Transformer leadout between circuits
- Reduced space, volume, weight
- Increased safety
- High speed winding capable

Triple insulated wires can be manufactured in a variety of typle, sizes, insulatins, ratings, and colors.

Insulation	Size Range	Avg. Wall/ Layer	Ins. Layers	Temp. Raging	Voltage Rating	Page
Tefzel®ETFE	22-40 AWG	.001"	3	155°C	1000 V	7
Tefzel®ETFE	18-40 AWG	.0015"	3	155°C	1500 V	8
Tefzel®ETFE	10-40 AWG	.002"	3	155°C	1500 V	9
Tefzel®ETFE	10-32 AWG	.003"	3	155°C	1500 V	10
TCA	18-40 AWG	.0015"	3	155°C	1500 V	11
FEP	10-40 AWG	.002"	3	155°C	1000 V	12
FEP	10-40 AWG	.003"	3	155°C	1000 V	13
FEP	10-28 AWG	.005"	3	155°C	1000 V	14
PFA	10-40 AWG	.0015"	3	180°C	1000 V	15
PFA	10-40 AWG	.002"	3	180°C	1000 V	16
PFA	10-40 AWG	.003"	3	180°C	1000 V	17

DuPont™ Tefzel® ETFE-

Fluoropolymer compound with excellent electrical properties, heat resistance, chemical resistance, and abrasion resistance.

TCA-Modified ETFE-

designed for more economical/efficient manufacturing. Comes standard in one color, most sizes readily available.

DuPont™ Teflon® FEP-

Fluoropolymer compound with exceptional dielectric properties, heat resistance, chemical resistance, and flexibility.

DuPont™ Teflon® PFA-

Fluoropolymer compound with superior heat resistance, exceptional dielectric properties, and chemical resistance.

See the Technical Informatin section for additonal information on insulatin types and comparative properties.



Triple Insulated DuPont™ Tefzel® ETFE .001" / Layer



Product Construction:

Size Range:

20 AWG-40 AWG

Conductor:

Tin plated copper
Solid or stranded (ASTM B-33/ASTM B-286)
Bare copper and other conductors available

Insulation:

DUPont™ Tefzel® ETFE

Rating:

Temperature: 155°C
Voltage: 1000V

Applications:

Thinnest TIW on the market
Size/Safety critical reinforced isolation
Pulse and signal transformers

Compliances:

UL OBJT2 File No. E206198
UL 60950-1, Annex U
System approvals: UL 1446
RXT-2 Class F
TCA Class F
Other systems available upon request
RoHS Compliant

Tensile Strength: 6500 psi
Breakdown: Approx. 4500V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T20A01TXXX-1	20	0.0320	0.813	0.0380	0.965	3.33
T21A01TXXX-1	21	0.0285	0.724	0.0345	0.876	2.68
T22A01TXXX-1	22	0.0253	0.643	0.0313	0.795	2.14
T23A01TXXX-1	23	0.0226	0.574	0.0286	0.726	1.73
T24A01TXXX-1	24	0.0201	0.511	0.0261	0.663	1.38
T25A01TXXX-1	25	0.0179	0.455	0.0239	0.607	1.12
T26A01TXXX-1	26	0.0159	0.404	0.0219	0.556	0.90
T27A01TXXX-1	27	0.0142	0.361	0.0202	0.513	0.73
T28A01TXXX-1	28	0.0126	0.320	0.0186	0.472	0.59
T29A01TXXX-1	29	0.0113	0.287	0.0173	0.439	0.49
T30A01TXXX-1	30	0.0100	0.254	0.0160	0.406	0.39
T31A01TXXX-1	31	0.0089	0.226	0.0149	0.378	0.32
T32A01TXXX-1	32	0.0080	0.203	0.0140	0.356	0.27
T33A01TXXX-1	33	0.0071	0.180	0.0131	0.333	0.22
T34A01TXXX-1	34	0.0063	0.160	0.0123	0.312	0.18
T35A01TXXX-1	35	0.0056	0.142	0.0116	0.295	0.15
T36A01TXXX-1	36	0.0050	0.127	0.0110	0.279	0.13
T37A01TXXX-1	37	0.0045	0.114	0.0105	0.267	0.11
T38A01TXXX-1	38	0.0040	0.102	0.0100	0.254	0.10
T39A01TXXX-1	39	0.0035	0.089	0.0095	0.241	0.08
T40A01TXXX-1	40	0.0031	0.079	0.0091	0.231	0.07

Triple Insulated DuPont™ Tefzel® ETFE .0015" / Layer



Product Construction:

Size Range:

UL: 18 AWG-40 AWG
 VDE: 14 AWG-40 AWG
 Not all sizes listed in chart

Applications:

High power flyback converter for LED
 PDA's/Lighting
 Medical/Dental/Electronic

Conductor:

Tin plated copper
 Solid or stranded (ASTM B-33/ASTM B-286)
 Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1(Ed.2), Annex U.
 UL 60601-1 (Ed.3)
 IEC 61558-2-16, 60601-1(Ed.3),
 61010-1(Ed.3)

Insulation:

DUPont™ Tefzel® ETFE

VDE License Nr. 136743: Class F
 System approvals: UL 1446

Rating:

Temperature: 155°C

Voltage:

UL: 1500 V for electronic equipment
 UL: 707 V for medical equipment
 VDE: 1000 V

RXT-2 Class F
 TCA Class F

Other systems available upon request

RoHS Compliant

Tensile Strength: 6500 psi

Breakdown: Approx. 7000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T18A01TXXX-1.5	18	0.0403	1.024	0.0493	1.252	5.39
T20A01TXXX-1.5	20	0.0320	0.813	0.0410	1.041	3.47
T21A01TXXX-1.5	21	0.0285	0.724	0.0375	0.953	2.80
T22A01TXXX-1.5	22	0.0253	0.643	0.0343	0.871	2.25
T23A01TXXX-1.5	23	0.0226	0.574	0.0316	0.803	1.83
T24A01TXXX-1.5	24	0.0201	0.511	0.0291	0.739	1.48
T25A01TXXX-1.5	25	0.0179	0.455	0.0269	0.683	1.20
T26A01TXXX-1.5	26	0.0159	0.404	0.0249	0.632	0.98
T27A01TXXX-1.5	27	0.0142	0.361	0.0232	0.589	0.80
T28A01TXXX-1.5	28	0.0126	0.320	0.0216	0.549	0.66
T29A01TXXX-1.5	29	0.0113	0.287	0.0203	0.516	0.55
T30A01TXXX-1.5	30	0.0100	0.254	0.0190	0.483	0.45
T31A01TXXX-1.5	31	0.0089	0.226	0.0179	0.455	0.38
T32A01TXXX-1.5	32	0.0080	0.203	0.0170	0.432	0.32
T33A01TXXX-1.5	33	0.0071	0.180	0.0161	0.409	0.27
T34A01TXXX-1.5	34	0.0063	0.160	0.0153	0.389	0.23
T35A01TXXX-1.5	35	0.0056	0.142	0.0146	0.371	0.20
T36A01TXXX-1.5	36	0.0050	0.127	0.0140	0.356	0.17
T37A01TXXX-1.5	37	0.0045	0.114	0.0135	0.343	0.16
T38A01TXXX-1.5	38	0.0040	0.102	0.0130	0.330	0.14
T39A01TXXX-1.5	39	0.0035	0.089	0.0125	0.318	0.12
T40A01TXXX-1.5	40	0.0031	0.079	0.0121	0.307	0.11

Triple Insulated DuPont™ Tefzel® ETFE .002" / Layer



Product Construction:

Size Range:

UL: 10 AWG-40 AWG
 VDE: 14 AWG-40 AWG
 Not all sizes listed in chart

Applications:

Patient connected devices
 Renewable energy applications
 High frequency

Conductor:

Tin plated copper
 Solid or stranded (ASTM B-33/ASTM B-286)
 Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1(Ed.2), Annex U.
 IEC 61558-2-16, 60601-1(Ed.3),
 61010-1(Ed.3)
 VDE License Nr. 136743: Class F
 System approvals: UL 1446
 RXT-2 Class F
 TCA Class F
 Other systems available upon request
 RoHS Compliant

Insulation:

DUPont™ Tefzel® ETFE

Rating:

Temperature: 155°C

Voltage:

UL: 1500 V for electronic equipment
 UL: 707 V for medical equipment
 VDE: 1000 V

Tensile Strength: 6500 psi
 Breakdown: Approx. 9000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T16A01TXXX-2	16	0.0508	1.290	0.0628	1.595	8.60
T17A01TXXX-2	17	0.0453	1.151	0.0573	1.455	6.92
T18A01TXXX-2	18	0.0403	1.024	0.0523	1.328	5.56
T19A01TXXX-2	19	0.0359	0.912	0.0479	1.217	4.48
T20A01TXXX-2	20	0.0320	0.813	0.0440	1.118	3.62
T21A01TXXX-2	21	0.0285	0.724	0.0405	1.029	2.94
T22A01TXXX-2	22	0.0253	0.643	0.0373	0.947	2.37
T23A01TXXX-2	23	0.0226	0.574	0.0346	0.879	1.95
T24A01TXXX-2	24	0.0201	0.511	0.0321	0.815	1.58
T25A01TXXX-2	25	0.0179	0.455	0.0299	0.759	1.30
T26A01TXXX-2	26	0.0159	0.404	0.0279	0.709	1.07
T27A01TXXX-2	27	0.0142	0.361	0.0262	0.665	0.89
T28A01TXXX-2	28	0.0126	0.320	0.0246	0.625	0.74
T29A01TXXX-2	29	0.0113	0.287	0.0233	0.592	0.63
T30A01TXXX-2	30	0.0100	0.254	0.0220	0.559	0.53
T31A01TXXX-2	31	0.0089	0.226	0.0209	0.531	0.45
T32A01TXXX-2	32	0.0080	0.203	0.0200	0.508	0.39
T33A01TXXX-2	33	0.0071	0.180	0.0191	0.485	0.33
T34A01TXXX-2	34	0.0063	0.160	0.0183	0.465	0.29
T35A01TXXX-2	35	0.0056	0.142	0.0176	0.447	0.26
T36A01TXXX-2	36	0.0050	0.127	0.0170	0.432	0.23
T37A01TXXX-2	37	0.0045	0.114	0.0165	0.419	0.21
T38A01TXXX-2	38	0.0040	0.102	0.0160	0.406	0.19
T39A01TXXX-2	39	0.0035	0.089	0.0155	0.394	0.17
T40A01TXXX-2	40	0.0031	0.079	0.0151	0.384	0.16

Triple Insulated DuPont™ Tefzel® ETFE .003” / Layer



Product Construction:

Size Range:

UL: 10 AWG-32 AWG
 VDE: 14 AWG-32 AWG
 Not all sizes listed in chart

Applications:

Xenon arc lamps
 Lighting (CCFL)
 Medical/Power supply

Conductor:

Tin plated copper
 Solid or stranded (ASTM B-33/ASTM B-286)
 Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1(Ed.2), Annex U.
 IEC 61558-2-16, UL/IEC 60601-1(Ed.3),
 61010-1(Ed.3)
 VDE License Nr. 136743: Class F
 System approvals: UL 1446
 RXT-2 Class F
 TCA Class F
 Other systems available upon request
 RoHS Compliant

Insulation:

DUPont™ Tefzel® ETFE

Rating:

Temperature: 155°C

Voltage:

UL: 1500 V for electronic equipment
 UL: 707 V for medical equipment
 VDE: 1000 V

Tensile Strength: 6500 psi
 Breakdown: Approx. 13000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T10A01TXXX-3	10	0.1019	2.588	0.1199	3.045	33.74
T10A37TXXX-3	10(37/26)	0.1070	2.718	0.1250	3.175	31.30
T12A01TXXX-3	12	0.0808	2.052	0.0988	2.510	21.67
T12A19TXXX-3	12(19/25)	0.0862	2.189	0.1042	2.647	20.78
T14A01TXXX-3	14	0.0641	1.628	0.0821	2.085	13.92
T14A19TXXX-3	14(19/27)	0.0679	1.725	0.0859	2.182	13.40
T16A01TXXX-3	16	0.0508	1.290	0.0688	1.748	9.06
T16A19TXXX-3	16(19/29)	0.0539	1.369	0.0719	1.826	8.77
T18A01TXXX-3	18	0.0403	1.024	0.0583	1.481	5.95
T18A19TXXX-3	18(19/30)	0.0476	1.209	0.0656	1.666	7.05
T20A01TXXX-3	20	0.0320	0.813	0.0500	1.270	3.94
T20A19TXXX-3	20(19/32)	0.0385	0.978	0.0565	1.435	4.74
T22A01TXXX-3	22	0.0253	0.643	0.0433	1.100	2.65
T22A19TXXX-3	22(19/34)	0.0295	0.749	0.0475	1.207	3.13
T24A01TXXX-3	24	0.0201	0.511	0.0381	0.968	1.83
T24A19TXXX-3	24(19/36)	0.0242	0.615	0.0422	1.072	2.16
T26A01TXXX-3	26	0.0159	0.404	0.0339	0.861	1.28
T28A01TXXX-3	28	0.0126	0.320	0.0306	0.777	0.93
T30A01TXXX-3	30	0.0100	0.254	0.0280	0.711	0.70
T32A01TXXX-3	32	0.0080	0.203	0.0260	0.660	0.55



Triple Insulated FEP .002" / Layer



Product Construction:

Size Range:

10 AWG-40 AWG
Not all sizes listed in chart

Conductor:

Tin plated copper
Solid or stranded (ASTM B-33/ASTM B-286)
Bare copper and other conductors available

Insulation:

FEP

Rating:

Temperature: 155°C
Voltage: 1000 V

Applications:

AC/DC adaptors
Electronic/Medical/Dental

Compliances:

UL OBJT2 File No. E206198
UL/IEC 60950-1(Ed.2), Annex U.
IEC 61010-1 (Ed.3),
VDE License Nr. 6715: Class F
System approvals: UL 1446
RXT-2 Class F
TCA Class F
Other systems available upon request
RoHS Compliant

Tensile Strength: 3000 psi
Breakdown: Approx. 9000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T18A01FXXX-2	18	0.0403	1.024	0.0523	1.328	5.75
T18A19FXXX-2	18(19/30)	0.0476	1.209	0.0596	1.514	6.83
T20A01FXXX-2	20	0.0320	0.813	0.0440	1.118	3.77
T20A19FXXX-2	20(19/32)	0.0385	0.978	0.0505	1.283	4.55
T22A01FXXX-2	22	0.0253	0.643	0.0373	0.947	2.50
T22A19FXXX-2	22(19/34)	0.0295	0.749	0.0415	1.054	2.97
T24A01FXXX-2	24	0.0201	0.511	0.0321	0.815	1.69
T24A19FXXX-2	24(19/36)	0.0242	0.615	0.0362	0.919	2.01
T25A01FXXX-2	25	0.0179	0.455	0.0299	0.759	1.40
T26A01FXXX-2	26	0.0159	0.404	0.0279	0.709	1.16
T27A01FXXX-2	27	0.0142	0.361	0.0262	0.665	0.97
T28A01FXXX-2	28	0.0126	0.320	0.0246	0.625	0.82
T29A01FXXX-2	29	0.0113	0.287	0.0233	0.592	0.70
T30A01FXXX-2	30	0.0100	0.254	0.0220	0.559	0.59
T31A01FXXX-2	31	0.0089	0.226	0.0209	0.531	0.51
T32A01FXXX-2	32	0.0080	0.203	0.0200	0.508	0.45
T33A01FXXX-2	33	0.0071	0.180	0.0191	0.485	0.39
T34A01FXXX-2	34	0.0063	0.160	0.0183	0.465	0.34
T35A01FXXX-2	35	0.0056	0.142	0.0176	0.447	0.30
T36A01FXXX-2	36	0.0050	0.127	0.0170	0.432	0.27
T37A01FXXX-2	37	0.0045	0.114	0.0165	0.419	0.25
T38A01FXXX-2	38	0.0040	0.102	0.0160	0.406	0.23
T39A01FXXX-2	39	0.0035	0.089	0.0155	0.394	0.21
T40A01FXXX-2	40	0.0031	0.079	0.0151	0.384	0.19

Triple Insulated FEP .003" / Layer



Product Construction:

Size Range:

10 AWG-40 AWG
Not all sizes listed in chart

Applications:

Power Supply/Transformer

Conductor:

Tin plated copper
Solid or stranded (ASTM B-33/ASTM B-286)
Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
UL/IEC 60950-1(Ed.2), Annex U.
IEC 61010-1 (Ed.3),
VDE License Nr. 6715: Class F
System approvals: UL 1446
RXT-2 Class F
TCA Class F
Other systems available upon request
RoHS Compliant

Insulation:

FEP

Rating:

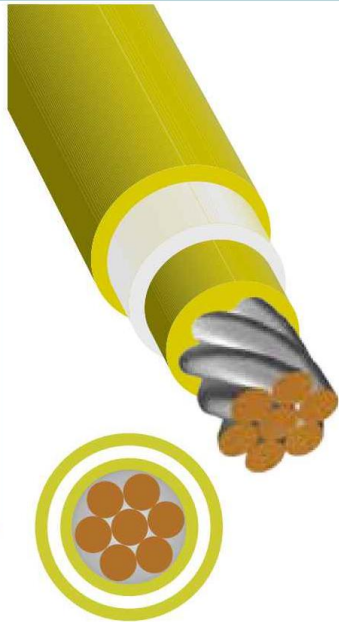
Temperature: 155°C
Voltage: 1000 V

Tensile Strength: 3000 psi
Breakdown: Approx. 12000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T10A37FXXX-3	10(37/26)	0.1070	2.718	0.1250	3.175	32.01
T12A19FXXX-3	12(19/25)	0.0862	2.189	0.1042	2.647	21.37
T14A19FXXX-3	14(19/27)	0.0679	1.725	0.0859	2.182	13.88
T16A01FXXX-3	16	0.0508	1.290	0.0688	1.748	9.42
T16A19FXXX-3	16(19/29)	0.0539	1.369	0.0719	1.826	9.19
T18A01FXXX-3	18	0.0403	1.024	0.0583	1.481	6.25
T18A19FXXX-3	18(19/30)	0.0476	1.209	0.0656	1.666	7.40
T20A01FXXX-3	20	0.0320	0.813	0.0500	1.270	4.20
T20A19FXXX-3	20(19/32)	0.0385	0.978	0.0565	1.435	5.03
T22A01FXXX-3	22	0.0253	0.643	0.0433	1.100	2.87
T22A19FXXX-3	22(19/34)	0.0295	0.749	0.0475	1.207	3.37
T24A01FXXX-3	24	0.0201	0.511	0.0381	0.968	2.01
T24A19FXXX-3	24(19/36)	0.0242	0.615	0.0422	1.072	2.37
T26A01FXXX-3	26	0.0159	0.404	0.0339	0.861	1.44
T26A19FXXX-3	26(19/38)	0.0190	0.483	0.0370	0.940	1.65
T28A01FXXX-3	28	0.0126	0.320	0.0306	0.777	1.06
T28A19FXXX-3	28(19/40)	0.0152	0.386	0.0332	0.843	1.22
T30A01FXXX-3	30	0.0100	0.254	0.0280	0.711	0.82
T32A01FXXX-3	32	0.0080	0.203	0.0260	0.660	0.65



Triple Insulated FEP .005" / Layer



Product Construction:

Size Range:

10 AWG-28 AWG
Not all sizes listed in chart

Conductor:

Tin plated copper
Solid or stranded (ASTM B-33/ASTM B-286)
Bare copper and other conductors available

Insulation:

FEP

Rating:

Temperature: 155°C
Voltage: 1000 V

Applications:

Battery charger

Compliances:

UL OBJT2 File No. E206198
UL/IEC 60950-1(Ed.2), Annex U.
IEC 61010-1 (Ed.3),
VDE License Nr. 6715: Class F
System approvals: UL 1446
RXT-2 Class F
TCA Class F
Other systems available upon request
RoHS Compliant

Tensile Strength: 3000 psi
Breakdown: Approx. 15000V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T10A37FXXX-5	10(37/26)	0.1070	2.718	0.1370	3.480	34.37
T12A19FXXX-5	12(19/25)	0.0862	2.189	0.1162	2.951	23.35
T14A19FXXX-5	14(19/27)	0.0679	1.725	0.0979	2.487	15.53
T16A01FXXX-5	16	0.0508	1.290	0.0808	2.052	10.77
T16A19FXXX-5	16(19/29)	0.0539	1.369	0.0839	2.131	10.59
T18A01FXXX-5	18	0.0403	1.024	0.0703	1.786	7.41
T18A19FXXX-5	18(19/30)	0.0476	1.209	0.0776	1.971	8.69
T20A01FXXX-5	20	0.0320	0.813	0.0620	1.575	5.21
T20A19FXXX-5	20(19/32)	0.0385	0.978	0.0685	1.740	6.16
T22A01FXXX-5	22	0.0253	0.643	0.0553	1.405	3.75
T22A19FXXX-5	22(19/34)	0.0295	0.749	0.0595	1.511	4.33
T24A01FXXX-5	24	0.0201	0.511	0.0501	1.273	2.80
T24A19FXXX-5	24(19/36)	0.0242	0.615	0.0542	1.377	3.23
T26A01FXXX-5	26	0.0159	0.404	0.0459	1.166	2.16
T26A19FXXX-5	26(19/38)	0.0190	0.483	0.0490	1.245	2.42
T28A01FXXX-5	28	0.0126	0.320	0.0426	1.082	1.72
T28A19FXXX-5	28(19/40)	0.0152	0.386	0.0452	1.148	1.93



Triple Insulated PFA .0015" / Layer



Product Construction:

Size Range:

10 AWG-40 AWG
 VDE: 14 AWG-40 AWG
 Not all sizes listed in chart

Applications:

High temp power supplies
 Medical equipment
 Transformers

Conductor:

Tin plated copper
 Solid or stranded (ASTM B-33/ASTM B-286)
 Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1, Annex U
 VDE License Nr. 6716: Class H
 IEC 61010-1 (Ed.3), 61558-2-16
 60601-1 (Ed.3),

Insulation:

PFA

RoHS Compliant

Rating:

Temperature: 180°C
 Voltage: 1000 V

Tensile Strength: 3600 psi
 Breakdown: Approx. 8000V
 Insulation Temperature Capacity: 260°C

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T16A01PXXX-1.5	16	0.0508	1.290	0.0598	1.519	8.56
T17A01PXXX-1.5	17	0.0453	1.151	0.0543	1.379	6.88
T18A01PXXX-1.5	18	0.0403	1.024	0.0493	1.252	5.52
T19A01PXXX-1.5	19	0.0359	0.912	0.0449	1.140	4.45
T20A01PXXX-1.5	20	0.0320	0.813	0.0410	1.041	3.58
T21A01PXXX-1.5	21	0.0285	0.724	0.0375	0.953	2.91
T22A01PXXX-1.5	22	0.0253	0.643	0.0343	0.871	2.34
T23A01PXXX-1.5	23	0.0226	0.574	0.0316	0.803	1.92
T24A01PXXX-1.5	24	0.0201	0.511	0.0291	0.739	1.55
T25A01PXXX-1.5	25	0.0179	0.455	0.0269	0.683	1.27
T26A01PXXX-1.5	26	0.0159	0.404	0.0249	0.632	1.04
T27A01PXXX-1.5	27	0.0142	0.361	0.0232	0.589	0.86
T28A01PXXX-1.5	28	0.0126	0.320	0.0216	0.549	0.71
T29A01PXXX-1.5	29	0.0113	0.287	0.0203	0.516	0.60
T30A01PXXX-1.5	30	0.0100	0.254	0.0190	0.483	0.50
T31A01PXXX-1.5	31	0.0089	0.226	0.0179	0.455	0.42
T32A01PXXX-1.5	32	0.0080	0.203	0.0170	0.432	0.36
T33A01PXXX-1.5	33	0.0071	0.180	0.0161	0.409	0.31
T34A01PXXX-1.5	34	0.0063	0.160	0.0153	0.389	0.27
T35A01PXXX-1.5	35	0.0056	0.142	0.0146	0.371	0.23
T36A01PXXX-1.5	36	0.0050	0.127	0.0140	0.356	0.20
T37A01PXXX-1.5	37	0.0045	0.114	0.0135	0.343	0.18
T38A01PXXX-1.5	38	0.0040	0.102	0.0130	0.330	0.16
T39A01PXXX-1.5	39	0.0035	0.089	0.0125	0.318	0.15
T40A01PXXX-1.5	40	0.0031	0.079	0.0121	0.307	0.13



Triple Insulated PFA .002" / Layer



Product Construction:

Size Range:

10 AWG-40 AWG
VDE: 14 AWG-40 AWG
Not all sizes listed in chart

Applications:

Lower partial discharge
High temp power supplies
Medical equipment

Conductor:

Tin plated copper
Solid or stranded (ASTM B-33/ASTM B-286)
Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
UL/IEC 60950-1(Ed.2), Annex U
IEC 61558-2-16, 60601-1(Ed.3)
61010-1 (Ed.3),
VDE License Nr. 6716: Class H
RoHS Compliant

Insulation:

PFA

Tensile Strength: 3600 psi
Breakdown: Approx. 10000V
Insulation Temperature Capacity: 260°C

Rating:

Temperature: 180°C
Voltage: 1000 V

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T18A01PXXX-2	18	0.0403	1.024	0.0523	1.328	5.75
T19A01PXXX-2	19	0.0359	0.912	0.0479	1.217	4.65
T20A01PXXX-2	20	0.0320	0.813	0.0440	1.118	3.77
T21A01PXXX-2	21	0.0285	0.724	0.0405	1.029	3.08
T22A01PXXX-2	22	0.0253	0.643	0.0373	0.947	2.50
T23A01PXXX-2	23	0.0226	0.574	0.0346	0.879	2.06
T24A01PXXX-2	24	0.0201	0.511	0.0321	0.815	1.69
T25A01PXXX-2	25	0.0179	0.455	0.0299	0.759	1.40
T26A01PXXX-2	26	0.0159	0.404	0.0279	0.709	1.16
T27A01PXXX-2	27	0.0142	0.361	0.0262	0.665	0.97
T28A01PXXX-2	28	0.0126	0.320	0.0246	0.625	0.82
T29A01PXXX-2	29	0.0113	0.287	0.0233	0.592	0.70
T30A01PXXX-2	30	0.0100	0.254	0.0220	0.559	0.59
T31A01PXXX-2	31	0.0089	0.226	0.0209	0.531	0.51
T32A01PXXX-2	32	0.0080	0.203	0.0200	0.508	0.45
T33A01PXXX-2	33	0.0071	0.180	0.0191	0.485	0.39
T34A01PXXX-2	34	0.0063	0.160	0.0183	0.465	0.34
T35A01PXXX-2	35	0.0056	0.142	0.0176	0.447	0.30
T36A01PXXX-2	36	0.0050	0.127	0.0170	0.432	0.27
T37A01PXXX-2	37	0.0045	0.114	0.0165	0.419	0.25
T38A01PXXX-2	38	0.0040	0.102	0.0160	0.406	0.23
T39A01PXXX-2	39	0.0035	0.089	0.0155	0.394	0.21
T40A01PXXX-2	40	0.0031	0.079	0.0151	0.384	0.19

Triple Insulated PFA .003" / Layer



Product Construction:

Size Range:

UL: 10 AWG-40 AWG
 VDE: 14 AWG-40 AWG
 Not all sizes listed in chart

Applications:

Microwaves
 Other high temp/high dielectric applications

Conductor:

Tin plated copper
 Solid or stranded (ASTM B-33/ASTM B-286)
 Bare copper and other conductors available

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1(Ed.2), Annex U
 IEC 61558-2-16, 60601-1(Ed.3)
 61010-1 (Ed.3),
 VDE License Nr. 6716: Class H
 RoHS Compliant
 System approvals: UL 1446
 Information provided upon request

Insulation:

PFA

Rating:

Temperature: 180°C
 Voltage: 1000 V

Tensile Strength: 3600 psi

Breakdown: Approx. 13000V

Insulation Temperature Capacity: 260°C

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
T10A01PXXX-3	10	0.1019	2.588	0.1199	3.045	34.42
T11A01PXXX-3	11	0.0907	2.304	0.1087	2.761	27.59
T12A01PXXX-3	12	0.0808	2.052	0.0988	2.510	22.22
T13A01PXXX-3	13	0.0720	1.829	0.0900	2.286	17.89
T14A01PXXX-3	14	0.0641	1.628	0.0821	2.085	14.37
T15A01PXXX-3	15	0.0571	1.450	0.0751	1.908	11.65
T16A01PXXX-3	16	0.0508	1.290	0.0688	1.748	9.42
T17A01PXXX-3	17	0.0453	1.151	0.0633	1.608	7.68
T18A01PXXX-3	18	0.0403	1.024	0.0583	1.481	6.25
T19A01PXXX-3	19	0.0359	0.912	0.0539	1.369	5.11
T20A01PXXX-3	20	0.0320	0.813	0.0500	1.270	4.20
T21A01PXXX-3	21	0.0285	0.724	0.0465	1.181	3.47
T22A01PXXX-3	22	0.0253	0.643	0.0433	1.100	2.87
T23A01PXXX-3	23	0.0226	0.574	0.0406	1.031	2.40
T24A01PXXX-3	24	0.0201	0.511	0.0381	0.968	2.01
T25A01PXXX-3	25	0.0179	0.455	0.0359	0.912	1.70
T26A01PXXX-3	26	0.0159	0.404	0.0339	0.861	1.44
T27A01PXXX-3	27	0.0142	0.361	0.0322	0.818	1.24
T28A01PXXX-3	28	0.0126	0.320	0.0306	0.777	1.06
T29A01PXXX-3	29	0.0113	0.287	0.0293	0.744	0.94
T30A01PXXX-3	30	0.0100	0.254	0.0280	0.711	0.82
T31A01PXXX-3	31	0.0089	0.226	0.0269	0.683	0.72
T32A01PXXX-3	32	0.0080	0.203	0.0260	0.660	0.65