

Triple Insulated TCA3



Product Construction:

Size Range:

UL: 18 AWG - 40 AWG
 VDE: 14 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:

Modified ETFE

Rating:

Temperature: 155° C

Voltage:

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

Applications:

Various SMPS products
 Electronic/Medical/Dental

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

Tensile Strength: 6500 psi
 Breakdown: Approx. 7000 V
 TCA3 products come standard in Gray

Triple Insulated Wires

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
TCA3 18 AWG	18	0.0403	1.024	0.0493	1.252	5.39
TCA3 19 AWG	19	0.0359	0.912	0.0449	1.140	4.32
TCA3 20 AWG	20	0.0320	0.813	0.0410	1.041	3.47
TCA3 21 AWG	21	0.0285	0.724	0.0375	0.953	2.80
TCA3 22 AWG	22	0.0253	0.643	0.0343	0.871	2.25
TCA3 23 AWG	23	0.0226	0.574	0.0316	0.803	1.83
TCA3 24 AWG	24	0.0201	0.510	0.0291	0.739	1.48
TCA3 25 AWG	25	0.0179	0.455	0.0269	0.683	1.20
TCA3 26 AWG	26	0.0159	0.404	0.0249	0.632	0.98
TCA3 27 AWG	27	0.0142	0.361	0.0232	0.589	0.80
TCA3 28 AWG	28	0.0126	0.320	0.0216	0.549	0.66
TCA3 29 AWG	29	0.0113	0.287	0.0203	0.516	0.55
TCA3 30 AWG	30	0.0100	0.254	0.0190	0.483	0.45
TCA3 31 AWG	31	0.0089	0.226	0.0179	0.455	0.38
TCA3 32 AWG	32	0.0080	0.203	0.0170	0.432	0.32
TCA3 33 AWG	33	0.0071	0.180	0.0161	0.409	0.27
TCA3 34 AWG	34	0.0063	0.160	0.0153	0.389	0.23
TCA3 35 AWG	35	0.0056	0.142	0.0146	0.371	0.20
TCA3 36 AWG	36	0.0050	0.127	0.0140	0.356	0.17
TCA3 37 AWG	37	0.0045	0.114	0.0135	0.343	0.16
TCA3 38 AWG	38	0.0040	0.102	0.0130	0.330	0.14
TCA3 39 AWG	39	0.0035	0.089	0.0125	0.318	0.12
TCA3 40 AWG	40	0.0031	0.079	0.0121	0.307	0.11

Double Insulated TCA2



Product Construction:

Size Range:

UL: 18 AWG - 40 AWG
 VDE: 14 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:

Modified ETFE

Rating:

Temperature: 155°C
 Voltage:
 600 V

Applications:

Telecom/Electronic
 Supplementary isolation applications
 Medical/Dental

Compliances:

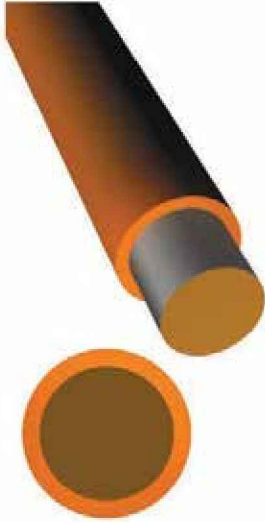
UL OBJT2 File No. E206198
 UL/IEC 60950-1 (Ed. 2), Annex U.
 UL 60601-1(Ed. 3), IEC 61558-2-16
 VDE License Nr. 40000223: Class F
 System approvals: UL 1446
 RXT-2 Class F
 TCA Class F
 Other systems available upon request
 RoHS Compliant

Tensile Strength: 6500 psi
 Breakdown: Approx. 4500 V
 TCA2 products come standard in Blue

Double Insulated Wires

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
TCA2 18 AWG	18	0.0403	1.024	0.0463	1.176	5.22
TCA2 19 AWG	19	0.0359	0.912	0.0419	1.064	4.17
TCA2 20 AWG	20	0.032	0.813	0.0380	0.965	3.33
TCA2 21 AWG	21	0.0285	0.724	0.0345	0.876	2.68
TCA2 22 AWG	22	0.0253	0.643	0.0313	0.795	2.14
TCA2 23 AWG	23	0.0226	0.574	0.0286	0.726	1.73
TCA2 24 AWG	24	0.0201	0.511	0.0261	0.663	1.38
TCA2 25 AWG	25	0.0179	0.455	0.0239	0.607	1.12
TCA2 26 AWG	26	0.0159	0.404	0.0219	0.556	0.90
TCA2 27 AWG	27	0.0142	0.361	0.0202	0.513	0.73
TCA2 28 AWG	28	0.0126	0.320	0.0186	0.472	0.59
TCA2 29 AWG	29	0.0113	0.287	0.0173	0.439	0.49
TCA2 30 AWG	30	0.0100	0.254	0.0160	0.406	0.39
TCA2 31 AWG	31	0.0089	0.226	0.0149	0.378	0.32
TCA2 32 AWG	32	0.0080	0.203	0.0140	0.356	0.27
TCA2 33 AWG	33	0.0071	0.180	0.0121	0.307	0.23
TCA2 34 AWG	34	0.0063	0.160	0.0113	0.287	0.19
TCA2 35 AWG	35	0.0056	0.142	0.0106	0.269	0.16
TCA2 36 AWG	36	0.0050	0.127	0.0100	0.254	0.13
TCA2 37 AWG	37	0.0045	0.114	0.0095	0.241	0.11
TCA2 38 AWG	38	0.0040	0.102	0.0090	0.229	0.10
TCA2 39 AWG	39	0.0035	0.089	0.0085	0.216	0.08
TCA2 40 AWG	40	0.0031	0.079	0.0081	0.206	0.07

Single Insulated TCA1



Product Construction:

Size Range:

UL: 22 AWG- 40 AWG
 VDE: 14 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:

Modified ETFE

Rating:

Temperature: 155°C
 Voltage:
 600V

Applications:

Telecom/ Electronic
 Basic isolation applications

Compliances:

UL OBJT2 File No. E206198
 UL/IEC 60950-1 (Ed.2), Annex U.
 UL 60601-1 (Ed. 3), IEC 61558-2-16
 VDE License Nr. 40000223: Class F
 System approvals: UL 1446
 RXT-2 Class F
 Other systems available upon request

RoHS Compliant

Tensile Strength: 6500 psi
 Breakdown: Approx. 2000 V

TCA1 products come standard in Orange

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
TCA1 22 AWG	22	0.0253	0.644	0.0283	0.719	2.03
TCA1 23 AWG	23	0.0226	0.574	0.0256	0.650	1.63
TCA1 24 AWG	24	0.0201	0.511	0.0231	0.686	1.52
TCA1 25 AWG	25	0.0179	0.455	0.0209	0.531	1.04
TCA1 26 AWG	26	0.0159	0.404	0.0189	0.480	0.83
TCA1 27 AWG	27	0.0142	0.361	0.0172	0.437	0.66
TCA1 28 AWG	28	0.0126	0.320	0.0156	0.396	0.53
TCA1 29 AWG	29	0.0113	0.287	0.0143	0.363	0.43
TCA1 30 AWG	30	0.0100	0.254	0.0130	0.330	0.34
TCA1 31 AWG	31	0.0089	0.226	0.0119	0.302	0.28
TCA1 32 AWG	32	0.0080	0.203	0.0110	0.279	0.23
TCA1 33 AWG	33	0.0071	0.180	0.0101	0.257	0.18
TCA1 34 AWG	34	0.0063	0.160	0.0093	0.236	0.15
TCA1 35 AWG	35	0.0056	0.142	0.0086	0.218	0.12
TCA1 36 AWG	36	0.0050	0.127	0.0080	0.203	0.10
TCA1 37 AWG	37	0.0045	0.114	0.0075	0.191	0.08
TCA1 38 AWG	38	0.0040	0.102	0.0070	0.178	0.07
TCA1 39 AWG	39	0.0035	0.089	0.0065	0.165	0.05
TCA1 40 AWG	40	0.0031	0.079	0.0061	0.155	0.05

