

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-33jASTM 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

Wires

Triple I

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LBIKFT
		INCHES	MM	INCHES	MM	
TCA318AWG	18	0.0403	1.024	0.0493	1.252	5.39
TCA319AWG	19	0.0359	0.912	0.0449	1.140	4.32
TCA320AWG	20	0.0320	0.813	0.0410	1.041	3.47
TCA321AWG	21	0.0285	0.724	0.0375	0.953	2.80
TCA322AWG	22	0.0253	0.643	0.0343	0.871	2.25
TCA323AWG	23	0.0226	0.574	0.0316	0.803	1.83
TCA324AWG	24	0.0201	0.510	0.0291	0.739	1.48
TCA325AWG	25	0.0179	0.455	0.0269	0.683	1.20
TCA326AWG	26	0.0159	0.404	0.0249	0.632	0.98
TCA327 AWG	27	0.0142	0.361	0.0232	0.589	0.80
TCA328AWG	28	0.0126	0.320	0.0216	0.549	0.66
TCA329AWG	29	0.0113	0.287	0.0203	0.516	0.55
TCA330AWG	30	0.0100	0.254	0.0190	0.483	0.45
TCA331AWG	31	0.0089	0.226	0.0179	0.455	0.38
TCA332AWG	32	0.0080	0.203	0.0170	0.432	0.32
TCA333AWG	33	0.0071	0.180	0.0161	0.409	0.27
TCA334AWG	34	0.0063	0.160	0.0153	0.389	0.23
TCA335AWG	35	0.0056	0.142	0.0146	0.371	0.20
TCA336AWG	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
TCA338AWG	38	0.0040	0.102	0.0130	0.330	0.14
TCA339AWG	39	0.0035	0.089	0.0125	0.318	0.12
TCA340AWG	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:
600V

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

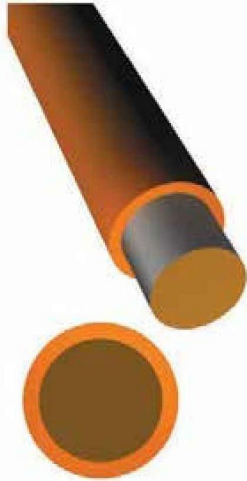
Tensile Strength: 6500 psi

Breakdown: Approx. 4500 V

TCA2 products come standard in Blue

PART NUMBER	AWG	CONDUCTOR		NOMINAL O.D.		WEIGHT LB/KFT
		INCHES	MM	INCHES	MM	
TCA218AWG	18	0.0403	1.024	0.0463	1.176	5.22
TCA219AWG	19	0.0359	0.912	0.0419	1.064	4.17
TCA220AWG	20	0.032	0.813	0.0380	0.965	3.33
TCA221AWG	21	0.0285	0.724	0.0345	0.876	2.68
TCA222AWG	22	0.0253	0.643	0.0313	0.795	2.14
TCA223AWG	23	0.0226	0.574	0.0286	0.726	1.73
TCA224AWG	24	0.0201	0.511	0.0261	0.663	1.38
TCA22SAWG	25	0.0179	0.455	0.0239	0.607	1.12
TCA226AWG	26	0.0159	0.404	0.0219	0.556	0.90
TCA227 AWG	27	0.0142	0.361	0.0202	0.513	0.73
TCA228AWG	28	0.0126	0.320	0.0186	0.472	0.59
TCA229AWG	29	0.0113	0.287	0.0173	0.439	0.49
TCA230AWG	30	0.0100	0.254	0.0160	0.406	0.39
TCA231AWG	31	0.0089	0.226	0.0149	0.378	0.32
TCA232AWG	32	0.0080	0.203	0.0140	0.356	0.27
TCA233AWG	33	0.0071	0.180	0.0121	0.307	0.23
TCA234AWG	34	0.0063	0.160	0.0113	0.287	0.19
TCA23SAWG	35	0.0056	0.142	0.0106	0.269	0.16
TCA236AWG	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
TCA238AWG	38	0.0040	0.102	0.0090	0.229	0.10
TCA239AWG	39	0.0035	0.089	0.0085	0.216	0.08
TCA240AWG	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

TCA Class F

Other systems available upon request

RoHS Compliant

Tensile Strength: 6500 psi

Breakdown: Approx. 2000 V

TCA1 products come standard in Orang

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