

# Rubadue

## Reinforced Isolation

**Part Number Series** TCA3

### Specifications

Core Wire:	Single end Tin Plated Copper
Size Range:	18 to 40 AWG
Insulation:	TCA- 3 layer construction
Insulation Thickness:	.0015” per layer
Color:	Standard color is grey
Temperature Rating:	155°C
Voltage Rating:	1,500V
Tensile Strength:	6,500 psi
Breakdown:	Approximately 10KV Passes IEC 60851 Twisted Pair test
Tolerances:	18-24 AWG + .0015” / - .001” 25-40 AWG +/- .001”



Not all AWG offered by Rubadue Wire are listed in the table below

AWG	Core (in)	O.D (in)	Core (mm)	O.D (mm)	Wt (lbs/kft)
20	.032	.041	.812	1.041	3.49
21	.0285	.0375	.723	0.952	2.81
22	.0253	.0343	.642	0.871	2.26
23	.0226	.0316	.574	0.802	1.84
24	.0201	.0291	.510	0.739	1.48
25	.0179	.0269	.454	0.683	1.21
26	.0159	.0249	.403	0.632	0.98
27	.0142	.0232	.360	0.589	0.81
28	.0126	.0216	.320	0.548	0.66
29	.0113	.0203	.287	0.515	0.55
30	.010	.019	.254	0.482	0.46
32	.008	.017	.203	0.431	0.33
34	.0063	.0153	.160	0.388	0.24
36	.005	.014	.127	0.355	0.18
38	.004	.013	.101	0.330	0.14
40	.0031	.0121	.0787	0.307	0.11

### Certifications

IEC 61558 Annex K  
IEC 60601-1, and IEC 60950-1 Annex U  
UL/CSA 60950-1 Annex U file # E206198 as OBJT2  
CSA 950-95 Annex U File LL848686-8

System UL 1446 RXT-1 Class F  
System UL 1446 RXT-2 Class F  
System UL 1446 TCA Class F  
VDE License #40000223