

# Rubadue

## REINFORCED ISOLATION PFA Teflon®

Part Number: TXXAXXPXXX-2

- Rated to Class H, 180° C
- Excellent Dielectric, Thermal, and Chemical Resistance Properties.
- RoHS compliant
- Great for the increased temperatures related to Solder Reflow Processing

### Specifications:

|                       |  |
|-----------------------|--|
| Core Wire:            | Single End and Stranded Tin Plated Copper  |
| Size Range:           | 16 AWG to 40 AWG                           |
| Insulation:           | DuPont PFA Teflon®                         |
| Insulation Thickness: | .002" per layer                            |
| Temperature Rating:   | 180° C (can withstand 260C)                |
| Voltage Rating:       | 1000 volts                                 |
| Tensile Strength:     | 3,500 psi                                  |
| Dielectric Strength:  | IEC 60851 for 60950-1, Twisted Pair.       |
| Breakdown             | Approx 10kv                                |
| Tolerances            | 24-18 AWG +/- .001"<br>25-40 AWG +/- .001" |



### Certifications:

System Approval UL 1446 Class H IEC 60950-1 Annex U  
 UL/CSA 60950 Annex U file # E206198 as OBJT2 VDE License # 6716 with CB Report  
 CSA 60950 Annex U File LL848686-

| AWG      | Core (in) | O.D (in) | *Wt (lbs/kft) |
|----------|-----------|----------|---------------|
| 16       | 0.0508    | 0.0628   | 7.23          |
| 16 7/24  | 0.06      | 0.072    | 9.19          |
| 16 19/29 | 0.0539    | 0.0659   | 8.57          |
| 17       | 0.0453    | 0.0573   | 7.13          |
| 18       | 0.0403    | 0.0523   | 5.75          |
| 18 7/26  | 0.049     | 0.061    | 5.99          |
| 18 19/30 | 0.0476    | 0.0596   | 6.83          |
| 19       | 0.0359    | 0.0479   | 4.65          |
| 20       | 0.032     | 0.044    | 3.78          |
| 20 7/28  | 0.039     | 0.051    | 4             |
| 20 19/32 | 0.0385    | 0.0505   | 4.55          |
| 21       | 0.0285    | 0.0405   | 3.08          |
| 22       | 0.0254    | 0.0374   | 2.50          |
| 22 7/30  | 0.03      | 0.042    | 2.63          |
| 22 19/34 | 0.0295    | 0.0415   | 2.97          |
| 23       | 0.0226    | 0.0346   | 2.06          |
| 24       | 0.0201    | 0.0321   | 1.69          |
| 24 7/32  | 0.024     | 0.036    | 1.79          |
| 24 19/36 | 0.0242    | 0.0362   | 2.01          |
| 25       | 0.0179    | 0.0299   | 1.40          |
| 26       | 0.0159    | 0.0279   | 1.16          |

| AWG      | Core (in) | O.D (in) | *Wt (lbs/kft) |
|----------|-----------|----------|---------------|
| 26 7/34  | 0.02      | 0.032    | 1.248         |
| 26 19/38 | 0.022     | 0.034    | 1.41          |
| 27       | 0.0142    | 0.0262   | 0.97          |
| 28       | 0.0126    | 0.0246   | 0.82          |
| 28 7/36  | 0.015     | 0.027    | 0.87          |
| 28 19/40 | 0.0152    | 0.0272   | 0.95          |
| 29       | 0.0113    | 0.0233   | 0.70          |
| 30       | 0.010     | 0.022    | 0.59          |
| 30 7/38  | 0.012     | 0.0237   | 0.66          |
| 30 19/42 | 0.012     | 0.024    | 0.73          |
| 31       | 0.0089    | 0.0209   | 0.51          |
| 32       | 0.008     | 0.02     | 0.45          |
| 32 7/40  | 0.0093    | 0.0213   | 0.48          |
| 33       | 0.0071    | 0.0191   | 0.39          |
| 34       | 0.0063    | 0.0183   | 0.34          |
| 35       | 0.0055    | 0.0175   | 0.30          |
| 36       | 0.005     | 0.017    | 0.27          |
| 37       | 0.0045    | 0.0165   | 0.25          |
| 38       | 0.004     | 0.016    | 0.23          |
| 39       | 0.0035    | 0.0155   | 0.21          |
| 40       | 0.0031    | 0.0151   | 0.19          |