

# Rubadue

## SUPPLEMENTAL ISOLATION ETFE Tefzel ®

Part Number: DXXAXXTXX-1.5

- Rated to Class F, 155° C
- Excellent *Dielectric, Mechanical, and Chemical Resistant* Properties.
- RoHS compliant
- Can be used in conjunction with a basic isolation to meet Reinforced isolation requirements for thin sheet material



### Specifications:

|                       |   |
|-----------------------|---|
| Core Wire:            | Single/Stranded Tin Plated Copper         |
| Size Range:           | 18 AWG to 40 AWG                          |
| Insulation:           | DuPont ETFE Tefzel ®                      |
| Insulation Thickness: | .0015” per layer                          |
| Temperature Rating:   | 155° C                                    |
| Voltage Rating:       | 600 volts                                 |
| Tensile Strength:     | 6,500 psi                                 |
| Dielectric Strength:  | Tested to IEC 60851 Twisted Pair          |
| Breakdown             | Approx 4kv                                |
| Solderability         | Approx 400° C with flux                   |
| Tolerances            | 18-24 AWG +.0015-.001; 25-40 AWG +/- .001 |



### Certifications:

VDE: Class F Supplementary Insulation IEC 60950-1, Annex U  
 UL Classification, OBJT2 for UL 60950-1, UL 2601

| AWG | Core (in) | O.D (in) | *Wt (lbs/kft) |
|-----|-----------|----------|---------------|
| 18  | .0403     | .0463    | 5.2           |
| 19  | .0359     | .042     | 4.17          |
| 20  | .032      | .038     | 3.33          |
| 21  | .0285     | .0345    | 2.68          |
| 22  | .0254     | .0314    | 2.14          |
| 23  | .0226     | .086     | 1.73          |
| 24  | .0201     | .026     | 1.38          |
| 25  | .0179     | .024     | 1.11          |
| 26  | .0159     | .022     | 0.90          |
| 27  | .0142     | .02      | 0.73          |
| 28  | .0126     | .0286    | 0.59          |
|     |           |          |               |

| AWG | Core (in) | O.D (in) | Wt (lbs/kft) |
|-----|-----------|----------|--------------|
| 29  | .0113     | .0173    | 0.49         |
| 30  | .010      | .016     | 0.39         |
| 31  | .0089     | .015     | 0.32         |
| 32  | .008      | .014     | 0.27         |
| 33  | .0071     | .013     | 0.22         |
| 34  | .0063     | .0123    | 0.19         |
| 35  | .0055     | .0115    | 0.15         |
| 36  | .005      | .011     | 0.13         |
| 37  | .0045     | .0105    | 0.11         |
| 38  | .004      | .01      | 0.097        |
| 39  | .0035     | .0095    | 0.08         |
| 40  | .0031     | .0091    | 0.07         |

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