

### Tefzel 28 AWG Wire Insulation Properties

| Property                                            | Test Method | Unit                   | Value                                                |
|-----------------------------------------------------|-------------|------------------------|------------------------------------------------------|
| <b>Thermal Properties</b>                           |             |                        |                                                      |
| Nominal Melting Point                               | ASTM D3159  | °C<br>(°F)             | 255-280<br>(491-536)                                 |
| Flow Rate                                           | ASTM D315   | g/10 min               | 20                                                   |
| Upper Service Temperature                           | UL746       | °C                     | 135                                                  |
| <b>Mechanical Properties</b>                        |             |                        |                                                      |
| Tensile Strength, 23°C (73°F)                       | ASTM D3159  | MPa, (psi)             | 40, (6,500)                                          |
| Specific Gravity                                    | ASTM D792   | -                      | 1.71                                                 |
| Ultimate Elongation, 23°C (73°F)                    | ASTM D3159  | %                      | 300                                                  |
| Flexural Modulus, 23°C (73°F)                       | ASTM D790   | MPa (psi)              | 1,200 (170,000)                                      |
| Impact Strength, 23°C (73°F)                        | ASTM D256   | J/m (ft-lb/in.)        | No Break                                             |
| Hardness, Durometer                                 | ASTM D2240  | Shore D                | 63                                                   |
| Compressive Strength                                | ASTM D695   | MPa, (psi)             | 38 (5,500)                                           |
| Linear Coefficient of Expansion, 0-100°C (32-212°F) | ASTM E831   | mm/mm/°C<br>in./in./°F | 12.6 x 10 <sup>-5</sup><br>(7.0 x 10 <sup>-5</sup> ) |

#### Electrical Properties

|                                        |            |                    |                                              |
|----------------------------------------|------------|--------------------|----------------------------------------------|
| Dielectric Strength, 0.25mm (0.010in.) | ASTM D149  | kV/mm (V/0.001in.) | 70 (1,800)                                   |
| Dielectric Constant, 1MHz, 23°C (73°F) | ASTM D1531 | -                  | 2.5-2.6                                      |
| Dissipation Factor, 1MHz, 23°C (73°F)  | ASTM D1531 | -                  | 0.00540                                      |
| Volume Resistivity                     | ASTM D257  | ohm cm             | 1 x 10 <sup>10</sup> (1 x 10 <sup>10</sup> ) |
| Arc Resistance                         | ASTM D49   | seconds            | 122                                          |

#### General Properties

|                                 |            |   |           |
|---------------------------------|------------|---|-----------|
| Water Absorption, 24 h          | ASTM D570  | % | 0.007     |
| Weather and Chemical Resistance | -          | - | Excellent |
| Limiting Oxygen Index           | ASTM D2863 | % | 30-32     |

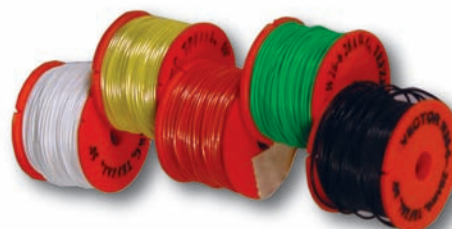
Vector 28AWG Tefzel wire is rated 300V at 150 degrees C

### Slit-N-Wrap® Wire

Tefzel Insulated Silver Plated Wire for use with No. 02 Bit

| Part No. | AWG | Color  | Spool Dia. | Feet/Spool | Spools/Pkg |
|----------|-----|--------|------------|------------|------------|
| W28-6A   | 28  | green  | 1"         | 50         | 2          |
| W28-6B   | 28  | red    | 1"         | 50         | 2          |
| W28-6D   | 28  | blue   | 1"         | 50         | 2          |
| W28-6E   | 28  | white  | 1"         | 50         | 2          |
| W28-6F   | 28  | yellow | 1"         | 50         | 2          |
| W28-6H   | 28  | black  | 1"         | 50         | 2          |
| W28-6AU  | 28  | green  | 1.5"       | 150        | 1          |
| W28-6BU  | 28  | red    | 1.5"       | 150        | 1          |
| W28-6DU  | 28  | blue   | 1.5"       | 150        | 1          |
| W28-6EU  | 28  | white  | 1.5"       | 150        | 1          |
| W28-6FU  | 28  | yellow | 1.5"       | 150        | 1          |
| W28-6HU  | 28  | black  | 1.5"       | 150        | 1          |

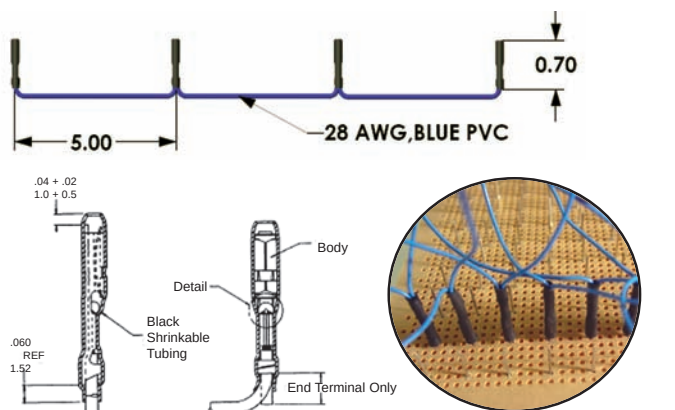
See specifications on Page 81



### T120-1

#### Slip-On Contacts

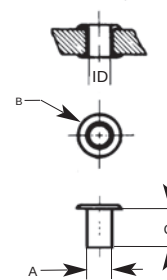
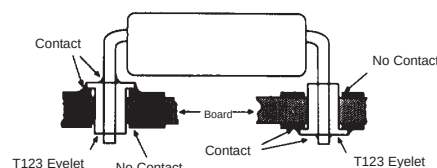
- Reels of slip-on contacts. 5" apart
- Slips onto .025" square posts
- 28 gage PVC insulated blue wire
- Temperature Range: -310 to 221°F (-190 to 105°C)



| Part No.   | Contact Description | Package Quantity. |
|------------|---------------------|-------------------|
| T120-1/50  | installed on wire   | Reel of 50        |
| T120-1/250 | installed on wire   | Reel of 250       |

### Eyelets T15.23, T123

- 2 versions provide hole size reduction  
T123 - reduces .055" dia. holes to .042"
- T123 eyelets are copper with .0003" to .0005" thick tin plating  
T15.23 - reduces .062" dia. holes to .042"
- Simulates copper thru hole plating
- Used to commit power and ground planes



| Part No.  | Qty  | A     | B     | C     | ID    |
|-----------|------|-------|-------|-------|-------|
| T15.23/M  | 1000 | .062" | .105" | .093" | .042" |
| T123/500  | 500  | .055" | .105" | .093" | .042" |
| T123/1000 | 1000 | .055" | .105" | .093" | .042" |