

Flexible PTFE Thin-Wall Tubing from Remington Industries is rated for high temperatures and tough environments, making it useful for covering ground straps, wire harnesses, and other electrical connections requiring protection from the elements or wear and tear. Available in 10 wire sizes and 17 cut lengths, this natural-colored PTFE tube has a smooth finish and will remain flexible even during continuous use from -75 to +260°C. The PTFE resists heat, oils, lubricants, solvents, and abrasion, and additionally meets the UL 94V-0 standard for flammability.

- Type: Thin Wall, Flexible PTFE Tubing (Non-Shrinkable)
- Material: Polytetrafluoroethylene (PTFE), Natural Color
- Temperature Rating: -75°C (-103°F) to 260°C (500°F)
  - Flammability Rating: UL 94V-0
- Mechanical Properties:
  - Tensile Strength, Minimum: 2,000 psi (13.7 N/mm<sup>2</sup>) *per ASTM D638*
  - Elongation, Minimum: 200% *per ASTM D638*
  - Specific Gravity, Maximum: 2.18 *per ASTM D792*
- Electrical Properties:
  - Dielectric Strength, Minimum: 1,400 V/mil (55 kV/mm) *per ASTM D876*
  - Volume Resistivity, Minimum: 1x10<sup>18</sup> Ω·cm *per ASTM D876*
  - Dielectric Constant: 2.1 *per IEC 250*
- Chemical Properties:
  - Water Absorption, Maximum: 0.01% *per ASTM D570*
  - Corrosion: No Corrosion (at 0°C, 16hrs) *per AMS-DTL-23053*
  - Fungus Resistance: Pass *per AMS-DTL-23053*
- Specifications Met:
  - ASTM D3295-81a Type I Class B
  - SAE AMS3655
- REACH & RoHS Compliant
- Available in 10 wire sizes and 17 cut lengths (see below)

| PART NUMBER | WIRE SIZE | INSIDE DIAMETER, MIN. | INSIDE DIAMETER, MAX. | WALL THICKNESS, MIN. | AVAILABLE LENGTHS |
|-------------|-----------|-----------------------|-----------------------|----------------------|-------------------|
| 12TFET      | 12 AWG    | 0.081" (2.06 mm)      | 0.091" (2.31 mm)      | 0.012" (0.30 mm)     | 1' (0.30 m)       |
| 14TFET      | 14 AWG    | 0.064" (1.63 mm)      | 0.072" (1.83 mm)      | 0.012" (0.30 mm)     | 2' (0.61 m)       |
| 16TFET      | 16 AWG    | 0.051" (1.30 mm)      | 0.058" (1.47 mm)      | 0.012" (0.30 mm)     | 3' (0.91 m)       |
| 18TFET      | 18 AWG    | 0.040" (1.02 mm)      | 0.046" (1.17 mm)      | 0.012" (0.30 mm)     | 4' (1.22 m)       |
| 20TFET      | 20 AWG    | 0.032" (0.81 mm)      | 0.040" (1.02 mm)      | 0.012" (0.30 mm)     | 5' (1.52 m)       |
| 22TFET      | 22 AWG    | 0.026" (0.66 mm)      | 0.032" (0.81 mm)      | 0.010" (0.25 mm)     | 6' (1.83 m)       |
| 24TFET      | 24 AWG    | 0.020" (0.51 mm)      | 0.026" (0.66 mm)      | 0.010" (0.25 mm)     | 8' (2.44 m)       |
| 26TFET      | 26 AWG    | 0.016" (0.41 mm)      | 0.021" (0.53 mm)      | 0.009" (0.23 mm)     | 10' (3.05 m)      |
| 28TFET      | 28 AWG    | 0.013" (0.33 mm)      | 0.018" (0.46 mm)      | 0.009" (0.23 mm)     | 12' (3.66 m)      |
| 30TFET      | 30 AWG    | 0.010" (0.25 mm)      | 0.015" (0.38 mm)      | 0.009" (0.23 mm)     | 15' (4.57 m)      |
|             |           |                       |                       |                      | 20' (6.10 m)      |
|             |           |                       |                       |                      | 25' (7.62 m)      |
|             |           |                       |                       |                      | 50' (15.24 m)     |
|             |           |                       |                       |                      | 100' (30.48 m)    |
|             |           |                       |                       |                      | 250' (76.20 m)    |
|             |           |                       |                       |                      | 500' (152.39 m)   |
|             |           |                       |                       |                      | 1000' (304.79 m)  |

## PTFE Tubing Flexible, Thin-Wall Data Sheet

### Remington Industries is proud to offer our Custom Wire Services

Our exclusive inventory of in-stock wire and ability to procure wire of all kinds makes us the perfect partner for wire purchasing and custom wire services. We are proud to provide essential, high quality wire for engineering projects, educational science projects, coil winding, and electronics applications.

Some of our many wire services include the following:

- Wire Re-Packaging
- Bifilar & Trifilar Windings
- Wire Processing
- Coil Winding
- Wire Procurement Services

If you have any questions or need any information about our [Wire Services](#), feel free to contact us! It only takes one call to get experienced assistance.

**Contact us by phone:**  
(815) 385-1987

**Contact us by email:**  
[sales@remingtonindustries.com](mailto:sales@remingtonindustries.com)

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