

# HOOK-UP WIRE

## TFE TEFLON® INSULATION

MIL-W-16878E (TYPE ET)†  
200°C, 250 VOLT

### CERTIFIED PERFORMANCE - HIGH-RELIABILITY TFE TEFLON® INSULATION

Alpha's TFE Teflon wire family includes a full range of sizes, colors, conductor types and voltage ratings for both commercial (UL styles) and high reliability military OEM products.

Alpha's TFE Teflon is rated for continuous operation in temperatures from -60°C to 200°C and retains its exceptional toughness and flexibility within this range. TFE Teflon is not degraded by chemicals which makes it ideal for use in harsh environments. Teflon is widely regarded as the ultimate high performance wire insulation material for environments characterized by extreme thermal or chemical conditions.

### CHOOSE TFE TEFLON® FOR:

- Resistance To All Chemicals
- High Temperature Use Up To 200°C
- Low Coefficient of Friction
- Outstanding Electrical Properties

### TFE TEFLON® APPLICATIONS:

- Military Harnessing
- Medical Electronics
- Power Supply Lead Wire
- Appliance Wiring

### CHARACTERISTICS

#### OPERATING TEMPERATURE:

- 60°C to 200°C

#### VOLTAGE RATING:

- 250 Volt

#### PRODUCT DESCRIPTION:

- Conductor: Stranded or Solid Silver Plated Copper
- Insulation: Color-Coded, Extruded TFE Teflon

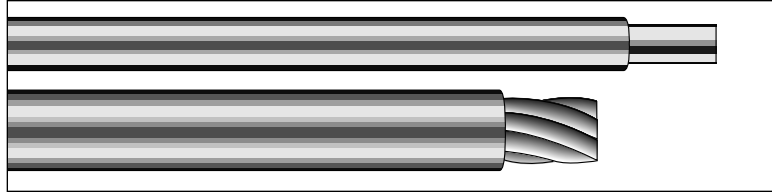
### SPECIFICATIONS

- MIL-W-16878E Type ET



### AVAILABILITY

- 100 ft (30,5m), 1000 ft (305m) put-ups  
1000 ft put-ups may contain multiple lengths



#### STRANDED CONDUCTOR

| Alpha Part No. | Type Designation | Conductor AWG | Strand | Insul. Thickness |      | Diameter |      | Stock Colors* |
|----------------|------------------|---------------|--------|------------------|------|----------|------|---------------|
|                |                  |               |        | Inches           | mm   | Inches   | mm   |               |
| 2840/7         | ET-32            | 32            | 7/40   | 0.006            | 0,15 | 0.021    | 0,53 | 1-10          |
| 2841/7         | ET-30            | 30            | 7/38   | 0.006            | 0,15 | 0.024    | 0,61 | 1-10          |
| 2842/7         | ET-28            | 28            | 7/36   | 0.006            | 0,15 | 0.027    | 0,68 | 1-10          |
| 2842/19        | ET-28            | 28            | 19/40  | 0.006            | 0,15 | 0.027    | 0,68 | 1-10          |
| 2843/7         | ET-26            | 26            | 7/34   | 0.006            | 0,15 | 0.031    | 0,78 | 1-10          |
| 2843/19        | ET-26            | 26            | 19/38  | 0.006            | 0,15 | 0.032    | 0,81 | 1-10          |
| 2844/7         | ET-24            | 24            | 7/32   | 0.006            | 0,15 | 0.036    | 0,91 | 1-10          |
| 2844/19        | ET-24            | 24            | 19/36  | 0.006            | 0,15 | 0.037    | 0,94 | 1-10          |
| 2845/7         | ET-22            | 22            | 7/30   | 0.006            | 0,15 | 0.042    | 1,07 | 1-10          |
| 2845/19        | ET-22            | 22            | 19/34  | 0.006            | 0,15 | 0.044    | 1,12 | 1-10          |

\*See color chart below

#### SOLID CONDUCTOR

| Alpha Part No. | Conductor AWG | Insul. Thickness |      | Diameter |      | Stock Colors* |
|----------------|---------------|------------------|------|----------|------|---------------|
|                |               | Inches           | mm   | Inches   | mm   |               |
| 2841/1         | 30            | 0.006            | 0,15 | 0.022    | 0,55 | 1-10          |
| 2842/1         | 28            | 0.006            | 0,15 | 0.025    | 0,63 | 1-10          |
| 2843/1         | 26            | 0.006            | 0,15 | 0.028    | 0,71 | 1-10          |

\*See color chart below

†All product supplied is to the MIL-W-16878 E revision. Revision F product can be supplied upon request, subject to minimum order quantity and lead time requirements.

Teflon® is a registered trademark of E.I. DuPont

#### \*STOCK COLOR CHART

|         |         |          |          |                    |
|---------|---------|----------|----------|--------------------|
| 1-White | 3-Red   | 5-Yellow | 7-Brown  | 9-Gray             |
| 2-Black | 4-Green | 6-Blue   | 8-Orange | 10-Violet (purple) |

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175