

**HOOK-UP WIRE**  
**TFE TEFLON® INSULATION**  
**RoHS COMPLIANT**  
**MIL-W-16878E (TYPE E)++, 200°C/600V**  
**UL 1213, 105°C/VOLTAGE NOT SPECIFIED**



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



Cablonic'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.

Cablonic's TFE Teflon is rated for continuous operation in temperatures from -60°C to 200°C (UL: 105°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 (UL: 105°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 (UL 105°C)

**Voltage Rating:**

- 600 Volt (UL: Voltage Not Specified)

**Product Description:**

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

**SPECIFICATIONS**

- UL AWM Style 1213
- MIL-W-16878E Types E
- RoHS Compliant



**AVAILABILITY**

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

**Stranded Conductor**

Series	Type Designation	Conductor		Insul. Thickness		Diameter		Stock Colors*
		AWG	Strand	Inches	mm	Inches	mm	
E-30-7/38	E-30	30	7/38	0.010	0,25	0.032	0,81	1-10
E-28-7/36	E-28	28	7/36	0.010	0,25	0.036	0,91	1-10
E-26-7/34	E-26	26	7/34	0.010	0,25	0.040	1,02	1-10
E-26-19/38	E-26	26	19/38	0.010	0,25	0.041	1,04	1-10
E-24-19/36	E-24	24	19/36	0.010	0,25	0.045	1,14	1-10
E-24-7/32	E-24	24	7/32	0.010	0,25	0.044	1,12	1-10
E-22-19/34	E-22	22	19/34	0.010	0,25	0.051	1,30	1-10
E-22-7/30	E-22	22	7/30	0.010	0,25	0.055	1,27	1-10
E-20-19/32	E-20	20	19/32	0.010	0,25	0.059	1,50	1-10
E-20-7/28	E-20	20	7/28	0.010	0,25	0.058	1,47	1-10
E-18-19/30	E-18	18	19/30	0.010	0,25	0.070	1,78	1-10
E-16-19/29	E-16	16	19/29	0.010	0,25	0.077	1,96	1-10
E-14-19/27	E-14	14	19/27	0.012	0,30	0.094	2,39	1
E-12-19/25	E-12	12	19/25	0.012	0,30	0.113	2,87	1
E-10-37/26	E-10	10	37/26	0.012	0,30	0.134	3,40	1

\*See Color Chart Below

**SOLID CONDUCTOR**

Series	Conductor AWG	Insul. Thickness		Diameter		Stock Colors*
		Inches	mm	Inches	mm	
E-30-SOLID	30	0.010	0,25	0.030	0,76	1-10
E-28-SOLID	28	0.010	0,25	0.032	0,81	1-10
E-26-SOLID	26	0.010	0,25	0.036	0,91	1-10
E-24-SOLID	24	0.010	0,25	0.040	1,02	1-10
E-22-SOLID	22	0.010	0,25	0.045	1,14	1-10
E-20-SOLID	20	0.010	0,25	0.052	1,32	1-3
E-18-SOLID	18	0.010	0,25	0.060	1,52	1-3

\*See Color Chart Below

+Not UL AWM Style 1213

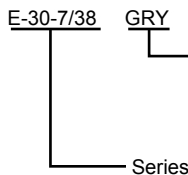
++All product supplied is to the MIL-W-16878 E revision. Revision F product can be supplied upon request, subject to minimum order quantity and lead time requirements.

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**\*STOCK COLOR CHART**

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

**PART NUMBERING SYSTEM**



- Color Code: WHT = White  
 BLK = Black  
 RED = Red  
 GRN = Green  
 YEL = Yellow  
 BLU = Blue  
 BRN = Brown  
 ORG = Orange  
 GRY = Gray  
 VIO = Violet