

MIL-W-16878E (TYPE EE)^{††}
 UL 1180
 200°C, 1000 VOLT

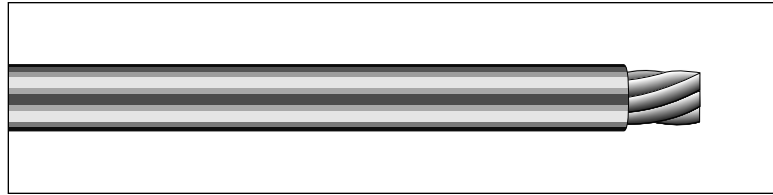
HOOK-UP WIRE

TFE TEFLON® INSULATION

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.



Alpha Part No.	Type Designation	Conductor AWG	Strand	Insul. Thickness		Diameter		Stock Color*
				Inches	mm	Inches	mm	
5874	EE-24	24	19/36	0.014	0,35	0.052	1,32	1-10
5875	EE-22	22	19/34	0.014	0,35	0.059	1,49	1-10
5876	EE-20	20	19/32	0.014	0,35	0.067	1,70	1-10
5877	EE-18	18	19/30	0.014	0,35	0.078	1,98	1-10
5878	EE-16	16	19/29	0.014	0,35	0.086	2,18	1
5879	EE-14	14	19/27	0.017	0,43	0.105	2,67	1
5879/12	EE-12	12	19/25	0.017	0,43	0.124	3,15	1
5879/10	EE-10	10	37/26	0.017	0,43	0.146	3,70	1
5879/8†	EE-8	8	133/29	0.020	0,50	0.206	5,23	1

*See color chart below

†Not UL AWM 1180 – AWM 1180 requires that 18AWG thru 10AWG have a temperature marker.

††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

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:

- 1000 Volt (MIL), 300 Volt (UL)

PRODUCT DESCRIPTION:

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

SPECIFICATIONS

- UL AWM Style 1180
- MIL-W-16878E Type EE

 **Recognized Component**
 Underwriters Laboratories Inc.

 **Passes UL VW-1 Flame Test**
 Underwriters Laboratories Inc.

AVAILABILITY

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

*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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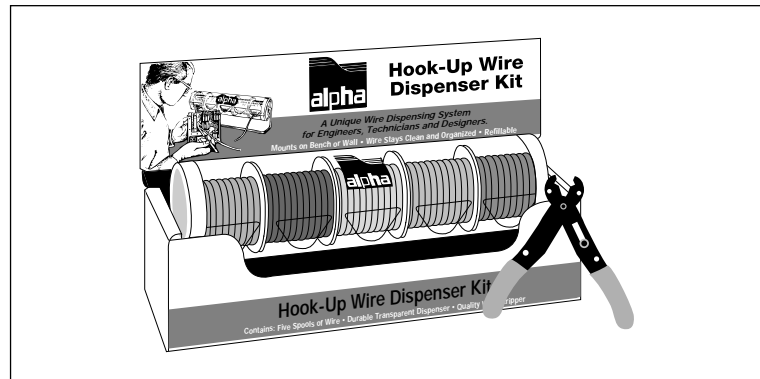
HOOK-UP WIRE KITS

UL 1007/1569
CSA TR-64
MIL-W-76B, TYPE MW

HOOK-UP WIRE KITS

Alpha's Hook-Up Wire Kits contain an assortment of 100 ft (30,5m) spools of hook-up wire suitable for military or UL/CSA applications. These kits have been designed for use by technicians, engineers and designers in the R & D lab or maintenance shop.

Each kit contains five spools of hook-up wire in a unique, rack-mounted, transparent dispensing tube. The tube and rack system keeps hook-up wire neat, clean and conveniently at hand.



178

CHOOSE HOOK-UP WIRE KITS FOR:

- Convenient, Wire Dispensing System
- Five Assorted Hook-Up Wire Colors
- Includes Cut and Strip Tool
- Uses Standard Alpha Hook-Up Wire Spools When Refills Are Required

CHARACTERISTICS

OPERATING TEMPERATURE:

- -40°C to 80°C (HU-KIT-10, 30)
- -40°C to 105°C (HU-KIT-20, 40)

VOLTAGE RATING:

- 1000 Volt (HU-KIT-10, 30)
- 300 Volt (HU-KIT-20, 40)

PRODUCT DESCRIPTION:

- Conductor:
Stranded Tinned Copper
- Insulation:
Color-Coded PVC
- AWG Size:
22 AWG (HU-KIT-10, 20)
24 AWG (HU-KIT-30, 40)

SPECIFICATIONS

- UL AWM Styles 1007 and 1569
- CSA TR-64
- MIL-W-76B, Type MW

Alpha Part No.	Contents	Quantity		Reorder No.
		Ft.	m	
HU-KIT-10 (22 AWG)	MIL-W-76B Type MW / White	100	30,5	1551
	MIL-W-76B Type MW / Black	100	30,5	1551
	MIL-W-76B Type MW / Red	100	30,5	1551
	MIL-W-76B Type MW / Green	100	30,5	1551
	MIL-W-76B Type MW / Blue	100	30,5	1551
	Cut and Strip Tool			

Alpha Part No.	Contents	Quantity		Reorder No.
		Ft.	m	
HU-KIT-20 (22 AWG)	UL 1007/1569, CSA TR-64 / White	100	30,5	3051
	UL 1007/1569, CSA TR-64 / Black	100	30,5	3051
	UL 1007/1569, CSA TR-64 / Red	100	30,5	3051
	UL 1007/1569, CSA TR-64 / Green	100	30,5	3051
	UL 1007/1569, CSA TR-64 / Blue	100	30,5	3051
	Cut and Strip Tool			

Alpha Part No.	Contents	Quantity		Reorder No.
		Ft.	m	
HU-KIT-30 (24 AWG)	MIL-W-76B Type MW / White	100	30,5	1550
	MIL-W-76B Type MW / Black	100	30,5	1550
	MIL-W-76B Type MW / Red	100	30,5	1550
	MIL-W-76B Type MW / Green	100	30,5	1550
	MIL-W-76B Type MW / Blue	100	30,5	1550
	Cut and Strip Tool			

Alpha Part No.	Contents	Quantity		Reorder No.
		Ft.	m	
HU-KIT-40 (24 AWG)	UL 1007/1569, CSA TR-64 / White	100	30,5	3050
	UL 1007/1569, CSA TR-64 / Black	100	30,5	3050
	UL 1007/1569, CSA TR-64 / Red	100	30,5	3050
	UL 1007/1569, CSA TR-64 / Green	100	30,5	3050
	UL 1007/1569, CSA TR-64 / Blue	100	30,5	3050
	Cut and Strip Tool			

 Recognized Component
Underwriters Laboratories Inc.
  Passes UL VW-1 Flame Test
Underwriters Laboratories Inc.
  Certified
Canadian Standards Association



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