

ThermoThin Hook-Up Wire

High-Temperature Performance In an Ultra-Thin Wire



AlphaWire

Cables you trust. Service you deserve.



Alpha Wire's new ThermoThin hook-up wire addresses the need for a high-temperature wire that saves space and weight. It is well suited for oil and gas, semiconductor, energy generation and production, and military applications where space is at a premium and extreme temperatures must be withstood.

ThermoThin wire, available in conductor sizes from 36 to 16 AWG, offers 600 V performance coupled with an exceptionally wide temperature range of -150°C to $+300^{\circ}\text{C}$. ThermoThin wire's ECA fluoropolymer insulation contributes to the cable's smaller size while providing excellent dielectric properties, as well as outstanding chemical resistance.

- Exceptionally small and lightweight
- 36 AWG to 16 AWG conductor range
- Nickel-plated copper conductors
- ECA fluoropolymer insulation
- -150°C to $+300^{\circ}\text{C}$ temperature range
- 600 V performance
- Excellent UV, chemical, and water resistance
- UL AWM 11540 (30 AWG and larger)
- RoHS2 and REACH compliant
- 1000 ft continuous length available compared to 3 pieces per 1000 ft put up for PTFE
- Passes UL horizontal flame (30 AWG and larger)

Alpha Wire

US/International: 1-800-52 ALPHA | Europe: 01 932 772 422 | Asia Pacific: +86-21-61498201/61498205
www.alphawire.com | info@alphawire.com

Specifications

Operating Temperature

- 150°C to +300°C

Voltage Rating

- 600 V

Materials

- Nickel-plated copper conductor
- ECA fluoropolymer insulation

Colors

- Black
- White
- Red
- Blue
- Green
- Orange
- Yellow
- Brown
- Violet
- Slate

Additional colors available

Availability

- 100 FT (30.5 m)
- 1000 FT (305 m)

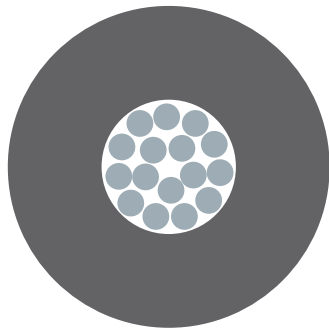
Approvals (30 AWG and larger)

- UL AWM 11540
- UL 80°C Oil
- UL Gas Res
- Horizontal flame



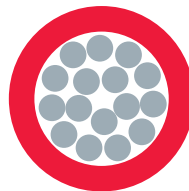
ThermoThin Hook-Up Wire

Part No.	Wire Size (AWG)		Stranding		Insulation Thickness		O.D.	
	AWG	mm ²	AWG	mm	Inch	mm	Inch	mm
2936	36	0.013	Solid		0.004	0.10	0.013	0.33
2934	34	0.020	Solid		0.004	0.10	0.014	0.36
2932	32	0.032	Solid		0.004	0.10	0.016	0.41
2930	30	0.057	7/38	7/0.102	0.004	0.10	0.020	0.51
2928	28	0.089	7/36	7/0.127	0.004	0.10	0.023	0.58
2926	26	0.154	19/38	19/0.102	0.006	0.14	0.030	0.760
2924	24	0.241	19/36	19/0.127	0.006	0.14	0.035	0.890
2922	22	0.382	19/34	19/0.16	0.006	0.14	0.041	1.040
2920	20	0.616	19/32	19/0.203	0.006	0.14	0.048	1.220
2918	18	0.963	19/30	19/0.254	0.006	0.14	0.058	1.470
2916	16	1.320	19/0.0117	19/0.297	0.006	0.14	0.069	1.750



PTFE

Part Number 5852, 28 AWG
 Stranding 7/36 (Conductor OD is 0.015")
 Insulation Thickness 0.010", OD 0.035"
 600V
 UL AWM 1213 and
 MIL-W-16878/4 (Type E)



ThermoThin

Part Number 2928, 28 AWG
 Stranding 7/36 (Conductor OD is 0.015")
 Insulation Thickness 0.004", OD 0.023"
 600V

Sample the Performance

Samples of ThermoThin hook-up wire are available today!
 Request yours at www.alphawire.com
 or call 1-800-52 ALPHA

GLOBAL HEADQUARTERS
 711 Lidgerwood Avenue
 Elizabeth, NJ 07207-0711 USA
 Toll Free: 1-800-52 ALPHA
 Tel: 1-908-925-8000
 Fax: 1-908-925-5411
 E-mail: info@alphawire.com

EUROPE
 Alpha Wire International
 Saxon House
 1 Downside | Sunbury-on-Thames
 Middlesex | United Kingdom | TW16 6RT
 Tel: +44 1 932 772 422
 Fax: +44 1 932 772 433
 E-mail: europe@alphawire.com

ASIA PACIFIC
 Alpha Wire
 Silver Center | Room 1712
 North Shanxi Road 1388
 Shanghai | China | 200060
 Tel: +86-21-61498201/61498205
 Fax: +86-21-61498001
 E-mail: apac@alphawire.com



AlphaWire

Cables you trust. Service you deserve.