

# 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  $-150^{\circ}\text{C}$  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
- $-150^{\circ}\text{C}$  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)

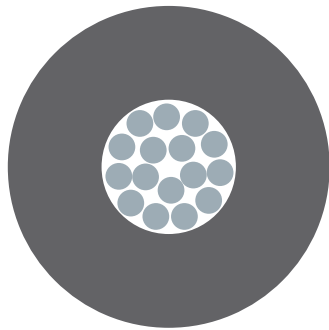
## Approvals (30 AWG and larger)

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



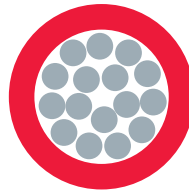
# ThermoThin Hook-Up Wire

Part No.	Wire Size (AWG)		Stranding		Insulation Thickness		O.D.	
	AWG	mm <sup>2</sup>	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](http://www.alphawire.com) or call 1-800-52 ALPHA

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