

# ThermoThin Hook-Up Wire

Smaller. Lighter. Tougher.



Alpha Wire's updated version of the popular ThermoThin line combines maximum performance in an exceptionally small and lightweight construction. ThermoThin is most suited for use in oil and gas, semiconductor, industrial and military industries.

## Extreme Temperature Resistance

ThermoThin is uniquely designed to withstand temperatures from -150°C to +300°C to tackle your most demanding applications.

## Space-Saving Construction

Up to 35% smaller in diameter than PTFE options, ThermoThin offers an ideal solution when space is at a premium.

## Environmental Resistance

Excellent sun, water and chemical resistance ensures consistent performance even when these hazards are present.

## Specifications

### Temperature Range

-150°C to +300°C

### Voltage

600V

### Colors

Black  
Orange  
White  
Yellow  
Brown  
Red  
Blue  
Green

*Additional Colors Available*

### AWG

16 – 36 AWG

### Lengths

Available in continuous lengths of 100 and 1000ft

### Approvals and Ratings

UL AWM/STYLE 11905 or  
AWM/STYLE 11540  
(30 AWG and Larger)  
Sunlight Resistant  
Chemical Resistant  
Water Resistant  
RoHS and REACH Compliant

### Materials

Nickel-plated copper conductor  
Fluoroplastic insulation

# Specifications

Part No.	Wire Size		Stranding		Insulation Thickness		Outer Diameter	
	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG	mm <sup>2</sup>
2636	36	0.013	Solid		0.006	0.15	0.017	0.430
2634	34	0.020	Solid		0.006	0.15	0.018	0.460
2632	32	0.032	Solid		0.006	0.15	0.020	0.510
2630	30	0.057	7/38	7/0.102	0.006	0.15	0.024	0.610
2628	28	0.089	7/36	7/0.127	0.006	0.15	0.027	0.690
2626	26	0.154	19/38	19/0.102	0.007	0.18	0.033	0.840
2624	24	0.241	19/36	19/0.127	0.007	0.18	0.038	0.970
2622	22	0.382	19/34	19/0.16	0.007	0.18	0.044	1.120
2620	20	0.616	19/32	19/0.203	0.007	0.18	0.052	1.320
2618	18	0.963	19/30	19/0.254	0.007	0.18	0.061	1.550
2616	16	1.320	19/0.0117	19/0.297	0.007	0.18	0.070	1.780

## 600V 28 AWG Comparison



**PTFE**

OD: 0.035"

Insulation Thickness: 0.010"



**ThermoThin**

OD: 0.023"

Insulation Thickness: 0.004"



**Interested in learning more?**

Visit [www.alphawire.com/Products/ThermoThin](http://www.alphawire.com/Products/ThermoThin)

or call **1-800-52-ALPHA**

**The cables you trust. The service you deserve.**

### Global Headquarters

711 Lidgerwood Avenue  
Elizabeth, NJ 07202 | USA  
Toll Free: 1-800-52-ALPHA  
Tel: 1-908-925-8000  
Fax: 1-908-925-5411

### Europe

Saxon House  
1 Downside | Sunbury-on-Thames  
Middlesex | United Kingdom | TW16 6RT  
Tel: +44 (0) 1 932 772 422  
E-mail: [europa@alphawire.com](mailto:europa@alphawire.com)

### Asia Pacific

Baohua Mansion | Room 1308  
No 1211 Changde Road  
Shanghai | China | 200060  
Tel: +86-21-6259 3510 / 6259 3957  
E-mail: [apac@alphawire.com](mailto:apac@alphawire.com)