

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 $+300^{\circ}\text{C}$ 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 $+300^{\circ}\text{C}$

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

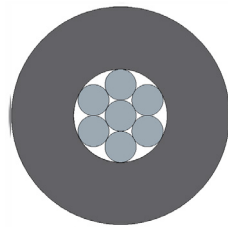
Materials

- Nickel-plated copper conductor
- Fluoroplastic insulation

Specifications

Part No.	Wire Size		Stranding		Insulation Thickness		Outer Diameter	
	AWG	mm ²	AWG	mm ²	AWG	mm	Inches	mm
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

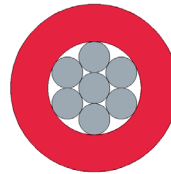
600V 28 AWG Comparison



PTFE

OD: 0.035"

Insulation Thickness: 0.010"



ThermoThin

OD: 0.027"

Insulation Thickness: 0.006"



Interested in learning more?

Visit www.alphawire.com/Products/Wire/Hook-Up-Wire/ThermoThin
or call 1-800-52-ALPHA

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