

# UL 1726, 300V wire—extruded PFA insulation (thin wall)

UL 1726 wires have thin-wall extruded PFA (Perfluoroalkoxy) insulation for weight and space savings.

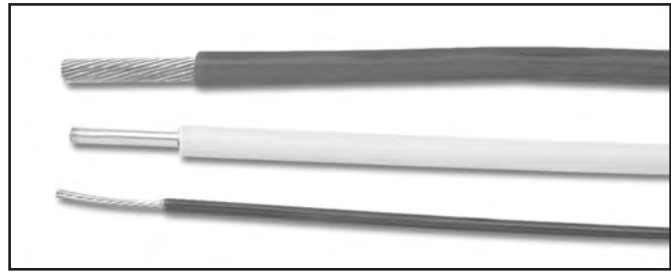
This insulation offers excellent long-term mechanical stability in high-temperature environments, and has superior resistance to chemical exposure.

For heavy-wall versions of these wires, see UL 1727 wires (following page).

**Performance:**

**Voltage rating:** 300V.

**Temperature rating:** 250° C.



**Construction Details**

**Insulation:** Extruded PFA, wall thickness:  
 2–4 AWG: .030" (.76 mm);  
 6–8 AWG: .020" (.51 mm);  
 10–32 AWG: .013" (.33 mm).

**Conductor:** Nickel-plated copper.

**Colors:** Available in 10 standard colors (see page 92).

**Identification:** Surface printed as required by UL.

**Options:** Silver-plated copper or high-strength copper alloy conductor.

**Ordering Information:** Specify Thermax part number, UL style, and color.

To order with optional conductor materials:

For silver-plated copper conductor, change **XPAN** in Thermax part number to **XPA**.

For silver-plated high-strength copper alloy conductor, change **XPAN** in Thermax part number to **XPATF**.

## Dimensions, Weights, and Resistance—UL 1726 wires

AWG Size	Stranding	Conductor Diameter	Insulation Diameter	Weight	Maximum Resistance	Thermax P/N
2	665/30	.330 (8.38)	.406 (10.3)	259 (385)	.170 (.558)	2-5XPAN-66530-UL
4	133/25	.256 (6.50)	.327 (8.31)	165 (246)	.275 (.902)	4-5XPAN-13325-UL
6	133/27	.204 (5.18)	.252 (6.40)	100 (150)	.436 (1.43)	6-3XPAN-13327-UL
8	133/29	.163 (4.14)	.210 (5.33)	66.3 (98.7)	.694 (2.28)	8-3XPAN-13329-UL
10	37/26	.108 (2.74)	.139 (3.53)	34.1 (50.7)	1.23 (4.03)	10-XPAN-3726-UL
12	19/25	.084 (2.13)	.116 (2.95)	24.1 (35.9)	1.89 (6.20)	12-XPAN-1925-UL
14	19/27	.067 (1.69)	.098 (2.49)	15.6 (23.2)	3.00 (9.84)	14-XPAN-1927-UL
16	19/29	.053 (1.35)	.086 (2.18)	10.8 (16.1)	4.76 (15.6)	16-XPAN-1929-UL
18	19/30	.047 (1.19)	.079 (2.01)	8.70 (12.9)	6.10 (20.0)	18-XPAN-1930-UL
18	7/26	.048 (1.21)	.079 (2.01)	8.46 (12.6)	6.50 (21.3)	18-XPAN-726-UL
20	19/32	.038 (.955)	.068 (1.73)	6.04 (8.99)	9.68 (31.8)	20-XPAN-1932-UL
20	7/28	.038 (.960)	.068 (1.73)	5.87 (8.74)	9.96 (32.7)	20-XPAN-728-UL
20	SOLID	.032 (.813)	.061 (1.55)	5.12 (7.62)	10.3 (33.8)	20-XPAN-120-UL
22	19/34	.030 (.752)	.060 (1.52)	4.28 (6.37)	15.7 (51.5)	22-XPAN-1934-UL
22	7/30	.030 (.762)	.060 (1.52)	4.20 (6.25)	16.0 (52.5)	22-XPAN-730-UL
22	SOLID	.025 (.643)	.054 (1.37)	3.65 (5.43)	17.3 (56.7)	22-XPAN-122-UL
24	19/36	.024 (.597)	.053 (1.35)	3.07 (4.57)	25.9 (85.0)	24-XPAN-1936-UL
24	7/32	.024 (.610)	.053 (1.35)	3.07 (4.57)	25.4 (83.4)	24-XPAN-732-UL
24	SOLID	.020 (.511)	.049 (1.24)	2.72 (4.05)	26.7 (87.6)	24-XPAN-124-UL
26	19/38	.019 (.483)	.048 (1.22)	2.43 (3.62)	42.2 (138)	26-XPAN-1938-UL
28	7/36	.015 (.381)	.045 (1.14)	1.96 (2.92)	67.9 (223)	28-XPAN-736-UL
30	7/38	.012 (.305)	.042 (1.07)	1.61 (2.40)	107 (351)	30-XPAN-738-UL
32	7/40	.010 (.244)	.036 (.914)	1.15 (1.71)	182 (597)	32-XPAN-740-UL

Dimensions in inches (mm). Weights in pounds/1000 feet (Kg/1000 M). Resistance in Ω/1,000 feet (Ω/Km), @20° C.

All values are nominal unless otherwise indicated.