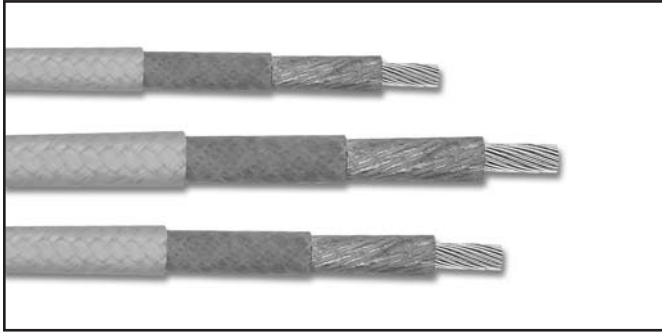


Thermax 750 wire—ultra-high temperature (750° F), abrasion resistant



Construction Details

Jacket: Braided PTFE-coated glass with PTFE saturant.

Insulation: Outer: fused PTFE tape;
Inner: inorganic dielectric.

Conductor: 27% nickel-coated OFHC copper.

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

Identification: None.

Thermax 750 wires have a non-asbestos, flexible insulation system composed of an inorganic dielectric and fused PTFE (Polytetrafluoroethylene) tape, with a jacket of braided PTFE-coated glass with PTFE saturant.

This construction is designed to withstand mechanical abuse, plus moisture and fluid exposure, as well as extreme high temperatures.

This industrial lead wire is designed for use in applications such as process-control equipment, ovens, boiler, furnaces, and others where high-temperature performance and reliability are critical.

Performance:

Voltage rating: 600V.

Temperature rating: 399° C (750° F).

Dimensions, Weights, and Resistance—Thermax 750 wires

AWG Size	Stranding	Conductor Diameter	Insulation Diameter	Weight	Maximum Resistance	Thermax P/N
4/0	2109/30	.605 (15.4)	.727 (18.5)	786 (1170)	.077 (.253)	4/0-HIWK-2109/30
3/0	1672/30	.538 (13.7)	.660 (16.8)	634 (944)	.096 (.315)	3/0-HIWK-1672/30
2/0	1330/30	.475 (12.1)	.597 (15.2)	518 (771)	.120 (.394)	2/0-HIWK-1330/30
1/0	1045/30	.405 (10.3)	.527 (13.4)	430 (640)	.153 (.502)	1/0-HIWK-1045/30
1	817/30	.370 (9.40)	.465 (11.8)	319 (475)	.196 (.643)	1-HIWK-81730
2	665/30	.335 (8.51)	.428 (10.9)	264 (393)	.241 (.790)	2-HIWK-66530
4	133/25	.260 (6.60)	.344 (8.74)	168 (250)	.375 (1.23)	4-HIWK-13325
6	133/27	.210 (5.33)	.283 (7.19)	107 (159)	.591 (1.94)	6-HIWK-13327
8	133/29	.168 (4.27)	.240 (6.10)	75.0 (112)	.920 (3.02)	8-HIWK-13329
10	49/27	.126 (3.20)	.196 (4.98)	47.0 (69.9)	1.68 (5.51)	10-HIWK-4927
12	19/25	.088 (2.24)	.142 (3.61)	28.6 (42.6)	2.49 (8.17)	12-HIWK-1925
14	19/27	.071 (1.80)	.125 (3.18)	20.0 (29.8)	4.32 (14.2)	14-HIWK-1927
16	19/29	.056 (1.42)	.110 (2.79)	14.5 (21.6)	6.54 (21.5)	16-HIWK-1929
18	19/30	.050 (1.27)	.104 (2.64)	12.2 (18.2)	8.16 (26.8)	18-HIWK-1930
20	19/32	.040 (1.02)	.092 (2.34)	9.11 (13.6)	14.6 (47.9)	20-HIWK-1932
22	19/34	.032 (.813)	.084 (2.13)	7.29 (10.8)	22.0 (73.8)	22-HIWK-1934

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