



# HIGH TEMPERATURE LEAD WIRE

## TYPE MG - UL STYLE 5107

### 450°C-600 VOLTS

**UL LISTED  
CSA APPLIED FOR**

**DESCRIPTION:**

Flexible, stranded, 27% nickel-clad copper conductor, glass reinforced mica tapes insulation, glass braid jacket impregnated with high temperature finisher (tan), optional colors available on request

**PHYSICAL PROPERTIES:**

Superior resistance to high temperature and the effects of radiation, insulating materials retain their integrity after exposure to 10<sup>12</sup> Roentgens of radiation

**APPLICATION:**

For wiring in ovens and other high temperature equipment where temperatures do not exceed 450°C NON UL

**NOMINAL THICKNESSES:**

**Insulation:** 22-12 AWG .025", 10-4 AWG .030", 2-4/0 AWG .035"

**Jacket:** 22-12 AWG .007", 10-4 AWG .015", 2-4/0 AWG .020"

OLYMPIC NO.	CONDUCTOR AWG	STRANDING	NOM. O.D.	NOM. BEND RADIUS
500	22	7 x 30	.10"	.60"
501	20	10 x 30	.11"	.66"
502	18	16 x 30	.12"	.72"
503	16	26 x 30	.13"	.78"
504	14	41 x 30	.14"	1.12"
505	12	65 x 30	.15"	1.20"
516	10	105 x 30	.22"	1.76"
507	8	133 x 29	.26"	2.60"
508	6	133 x 27	.31"	3.10"
509	4	133 x 25	.36"	4.32"
510	2	133 x 23	.45"	5.40"
511	1	259 x 25	.50"	6.00"
512	1/0	259 x 24	.54"	6.48"
513	2/0	259 x 23	.60"	7.20"
514	3/0	259 x 22	.66"	7.92"
515	4/0	259 x 21	.72"	8.64"

## TYPE MG - UL STYLE 5128

### 450°C-300 VOLTS

**UL LISTED**

**NOTE:**

Description, physical properties and application are same as 600V above

**NOMINAL THICKNESSES:**

**Insulation:** 22-12 AWG .015", 10-4 AWG .020"

**Jacket:** 22-12 AWG .007", 10-4 AWG .015"

520	22	7 x 30	.080"	.60"
521	20	10 x 30	.090"	.66"
522	18	16 x 30	.100"	.72"
523	16	26 x 30	.110"	.78"
524	14	41 x 30	.130"	1.12"
525	12	65 x 30	.150"	1.20"
526	10	105 x 30	.200"	1.76"
527	8	133 x 29	.240"	2.60"
528	6	133 x 27	.290"	3.10"
529	4	133 x 25	.340"	4.32"

## TYPE TGGT - UL STYLE 5251, CSA TYPE C3

### 250°C-600 VOLTS

**UL LISTED AND CSA**

**DESCRIPTION:**

Flexible, stranded, 10% nickel-plated copper conductor, Teflon (TFE) tape wrapped, ceramic tape insulation, Teflon impregnated glass braid jacket (tan), optional colors available on request

**PHYSICAL PROPERTIES:**

The ceramic tape insulation combines high dielectric strength with excellent flexibility and ease of stripping to achieve a lead wire of superior resistance to high temperatures, abrasion, chemicals and moisture

**APPLICATION:**

For internal wiring of heating equipment, cooking equipment and heat producing appliances in domestic, industrial and cooking applications

**NOMINAL THICKNESSES:**

**TFE Tape:** All sizes .015"

**Insulation:** 24-8 AWG .010", 6-4/0 AWG .015"

**Jacket:** 24-8 AWG .005", 6-2 AWG .0075", 1-4/0 AWG .010"

OLYMPIC NO.	CONDUCTOR AWG	STRANDING	NOM. O.D.	NOM. BEND RADIUS
531	22	7 x 30	.090"	.54"
532	20	10 x 30	.100"	.60"
533	18	16 x 30	.110"	.66"
534	16	26 x 30	.120"	.72"
535	14	41 x 30	.140"	1.12"
536	12	65 x 30	.160"	1.28"
537	10	105 x 30	.185"	1.48"
538	8	133 x 29	.230"	2.30"
539	6	133 x 27	.285"	2.85"
540	4	133 x 25	.340"	4.08"
541	2	133 x 23	.410"	4.92"
542	1	259 x 25	.470"	5.64"
543	1/0	259 x 24	.515"	6.18"
544	2/0	259 x 23	.570"	6.84"
545	3/0	259 x 22	.625"	7.50"
546	4/0	259 x 21	.690"	8.28"