

# MGT 450°C 600V Apparatus & Motor Lead Wire



## APPLICATION:

MGT Apparatus & Motor Lead Wire is for use in internal wiring of domestic, commercial and industrial heating; kilns; cooking equipment and control and power circuits, when high temperatures and abrasive environments are present. It is suitable for use in applications up to 450C per UL (or 538C non-UL) and 600 volts.

## CONDUCTORS:

- Flexible stranded soft drawn 27% nickel coated copper conductors per ASTM B355, B8, B173 and B174

## INSULATION:

- Two fiberglass reinforced mica tapes

## JACKET:

- Braided fiberglass impregnated with moisture, heat and flame resistant compound

## STANDARDS:

- UL 5107 450°C 600V
- CSA AWM Class 1 group A/B FT1

## COLOR CODE:

- Natural and Solid Colors

Part Number	Conductor Size	No. of Strands	Mica Tape Thickness		Fiberglass Braid Thickness		Overall Diameter		Min. Bend Radius	Net Weight
	AWG/kcmil		inches	mm	inches	mm	inches	mm	inches	lbs/km
20-01MGT	20	10	0.025	0.64	0.007	0.18	0.104	2.64	0.83	9
18-01MGT	18	16	0.025	0.64	0.007	0.18	0.110	2.79	0.88	11
16-01MGT	16	26	0.025	0.64	0.007	0.18	0.126	3.20	1.01	15
14-01MGT	14	41	0.025	0.64	0.007	0.18	0.139	3.53	1.11	22
12-01MGT	12	65	0.025	0.64	0.007	0.18	0.157	3.99	1.26	31
10-01MGT	10	105	0.030	0.76	0.015	0.38	0.208	5.28	1.66	83
8-01MGT	8	133	0.030	0.76	0.015	0.38	0.262	6.65	2.10	79
6-01MGT	6	133	0.030	0.76	0.015	0.38	0.313	7.95	2.50	113
4-01MGT	4	133	0.030	0.76	0.015	0.38	0.368	9.35	2.94	167
2-01MGT	2	259	0.035	0.89	0.020	0.51	0.446	11.33	3.57	259
1/0-01MGT	1/0	259	0.035	0.89	0.020	0.51	0.533	13.54	4.26	392
2/0-01MGT	2/0	259	0.035	0.89	0.020	0.51	0.586	14.88	4.69	488
3/0-01MGT	3/0	259	0.035	0.89	0.020	0.51	0.643	16.33	5.14	605
4/0-01MGT	4/0	259	0.035	0.89	0.020	0.51	0.707	17.96	5.66	750

All values are nominal and subject to correction



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