

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		inches	mm	inches	mm	inches	mm	inches	lbs/kft
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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