MGG CABLES

Flexible High Temperature Cable, Temp Rating 450°C, 600V



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded 27% nickel plated, annealed copper
2. **Insulation:** Phlogopite mica tape with fiberglass braid jacket
3. **Braid:** Fiberglass braid jacket
4. **Cabling:** Conductors are cabled with a left hand lay
5. **Jacket:** Fiberglass braid jacket is treated with a high temperature saturant

APPLICATIONS AND FEATURES:

Used in wiring equipment that will be exposed to high temperatures. Flexible.

Excellent flame resistance. Can withstand up to 2400°F short term. Also available in Power and Instrumentation Cables.

SPECIFICATIONS:

- UL 1277 Vertical Cable Tray Flame Tests (70,000 BTU/Hr)
- ICEA T-29-520 Flame Test (210,000 BTU/Hr)
- IEEE 383 Flame Test (70,000 btu)
- RoHS-3 Complies with European Directive 2015/863

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Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Number	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	inch	lb/1000ft	°C	Style/Type
C54200	16	2	0.290	38	450	UL
C54205	16	3	0.310	57	450	UL
C54210	16	4	0.345	75	450	UL
C54215	16	5	0.380	93	450	UL
C54220	16	7	0.420	129	450	UL
C54230	16	12	0.570	219	450	UL
C54240	16	19	0.695	342	450	UL
C54250	16	37	0.935	659	450	UL
C54300	14	2	0.320	50	450	UL
C54305	14	3	0.340	75	450	UL
C54310	14	4	0.380	99	450	UL
C54315	14	5	0.420	122	450	UL
C54320	14	7	0.465	172	450	UL
C54330	14	12	0.635	293	450	UL
C54340	14	19	0.760	450	450	UL
C54400	12	2	0.350	67	450	UL
C54405	12	3	0.375	101	450	UL
C54410	12	4	0.415	133	450	UL
C54415	12	5	0.460	166	450	UL
C54420	12	7	0.510	231	450	UL
C54430	12	12	0.700	393	450	UL
C54440	12	19	0.835	618	450	UL
C54500	10	2	0.470	114	450	UL
C54505	10	3	0.505	170	450	UL
C54510	10	4	0.555	222	450	UL
C54515	10	5	0.640	292	450	UL
C54520	10	7	0.695	374	450	UL
C54530	10	12	0.950	648	450	UL

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item

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Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Number	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	No.	mm	kg/km	°C	Style/Type
C54200	16	2	7.37	57	450	UL
C54205	16	3	7.87	85	450	UL
C54210	16	4	8.76	112	450	UL
C54215	16	5	9.65	138	450	UL
C54220	16	7	10.67	192	450	UL
C54230	16	12	14.48	326	450	UL
C54240	16	19	17.65	509	450	UL
C54250	16	37	23.75	981	450	UL
C54300	14	2	8.13	74	450	UL
C54305	14	3	8.64	112	450	UL
C54310	14	4	9.65	147	450	UL
C54315	14	5	10.67	182	450	UL
C54320	14	7	11.81	256	450	UL
C54330	14	12	16.13	436	450	UL
C54340	14	19	19.30	670	450	UL
C54400	12	2	8.89	100	450	UL
C54405	12	3	9.52	150	450	UL
C54410	12	4	10.54	198	450	UL
C54415	12	5	11.68	247	450	UL
C54420	12	7	12.95	344	450	UL
C54430	12	12	17.78	585	450	UL
C54440	12	19	21.21	920	450	UL
C54500	10	2	11.94	170	450	UL
C54505	10	3	12.83	253	450	UL
C54510	10	4	14.10	330	450	UL
C54515	10	5	16.26	435	450	UL
C54520	10	7	17.65	557	450	UL
C54530	10	12	24.13	964	450	UL