



ASTRO INDUSTRIES, INC.
 4403 Dayton-Xenia Road
 Dayton, Ohio 45432
 TEL: (800) 543-5810 or (937) 429-5900

SAE-AS22759/1

MIL-W-22759

| | | | |
|--|---|--------------------------------|-------------------------------------|
| CONDUCTOR: Silver Plated Copper | INSULATION: Polytetrafluoroethylene, PTFE Coated Glass | TEMP. RATING: 200° C | VOLTAGE RATING: 600 volts |
|--|---|--------------------------------|-------------------------------------|

| ASTRO PART NUMBER | CONDUCTOR | | | | FINISHED WIRE | | | | SAE-AS22759 PART NUMBER |
|----------------------|-----------|----------------------------|----------------------|-------|--|----------------------|-------|----------------------------------|----------------------------|
| | AWG | NO. OF STRANDS x AWG | DIAMETER (Inches) | | RESISTANCE @ 20°C (68°F) (ohms/1000 ft) (max) | DIAMETER (Inches) | | WEIGHT (lbs/1000 ft) (max) | |
| | | | (min) | (max) | | (min) | (max) | | |
| WMC-01-22-* | 22 | 19/34 | 0.029 | 0.032 | 15.1 | 0.080 | 0.088 | 7.5 | M22759/1-22-* |
| WMC-01-20-* | 20 | 19/32 | 0.037 | 0.040 | 9.19 | 0.090 | 0.098 | 9.5 | M22759/1-20-* |
| WMC-01-18-* | 18 | 19/30 | 0.046 | 0.050 | 5.79 | 0.100 | 0.110 | 13.0 | M22759/1-18-* |
| WMC-01-16-* | 16 | 19/29 | 0.052 | 0.057 | 4.52 | 0.115 | 0.125 | 16.5 | M22759/1-16-* |
| WMC-01-14-* | 14 | 19/27 | 0.065 | 0.072 | 2.68 | 0.133 | 0.143 | 23.0 | M22759/1-14-* |
| WMC-01-12-* | 12 | 37/28 | 0.084 | 0.089 | 1.90 | 0.152 | 0.162 | 32.1 | M22759/1-12-* |
| WMC-01-10-* | 10 | 37/26 | 0.106 | 0.112 | 1.19 | 0.174 | 0.188 | 47.0 | M22759/1-10-* |
| WMC-01-8-* | 8 | 133/29 | 0.158 | 0.169 | 0.658 | 0.241 | 0.255 | 82.0 | M22759/1-8-* |
| WMC-01-6-* | 6 | 133/27 | 0.198 | 0.213 | 0.418 | 0.283 | 0.303 | 122 | M22759/1-6-* |
| WMC-01-4-* | 4 | 133/25 | 0.250 | 0.268 | 0.264 | 0.340 | 0.370 | 180 | M22759/1-4-* |
| WMC-01-2-* | 2 | 665/30 | 0.320 | 0.340 | 0.170 | 0.405 | 0.435 | 275 | M22759/1-2-* |
| WMC-01-1-* | 1 | 817/30 | 0.360 | 0.380 | 0.139 | 0.455 | 0.485 | 348 | M22759/1-1-* |
| WMC-01-01-* | 0 | 1045/30 | 0.395 | 0.425 | 0.108 | 0.495 | 0.535 | 429 | M22759/1-01-* |
| WMC-01-02-* | 00 | 1330/30 | 0.440 | 0.475 | 0.085 | 0.555 | 0.595 | 542 | M22759/1-02-* |
| WMC-01-03-* | 000 | 1665/30 | 0.500 | 0.540 | 0.068 | 0.620 | 0.660 | 668 | M22759/1-03-* |
| WMC-01-04-* | 0000 | 2109/30 | 0.565 | 0.605 | 0.054 | 0.690 | 0.730 | 835 | M22759/1-04-* |

*COLOR CODES: 0 = BLACK; 1 = BROWN; 2 = RED; 3 = ORANGE; 4 = YELLOW; 5 = GREEN; 6 = BLUE; 7 = VIOLET; 8 = GRAY; 9 = WHITE
 *Spiral striped color coding as required.