# GS22759-50

## Silver-Coated Copper Wire with XL-ETFE Insulation



### NOTES

1. Wire is made in accordance with AS22759/50.
2. Conductor is 80 microinch silver-coated copper per SAE-AS29606.
3. Insulation is crosslinked modified ETFE
4. Wire maximum continuous temperature rating is 200°C (392°F).
5. Voltage rating is 600 volts (RMS) at sea level.
6. Color code per MIL-STD-681. See MIL-STD-681 for additional wire color codes. Jacket color code must be white (9) if adding color stripes.
7. Consult factory for custom stripe color order.

| HOW TO ORDER | | | | | | |
|---|---|---|---|---|---|---|
| **Sample Part Number** | **GS22759-50** | **-20** | **-9** | **0** | **1** | **2** |
| **Basic Part Number** | **GS22759-50** | | | | | |
| **Wire Size** | **30, 28, 26, 24, 22, 20, 18, 16, 14, 12, 10** See Table I | | | | | |
| **Jacket Color Code** | **0, 1, 2, 3, 4, 5, 6, 7, 8, 9** See Table II | | | | | |
| **First Stripe Color Code** | Color Codes **0, 1, 2, 3, 4, 5, 6, 7, 8, 9** (Omit for none) See Table II | | | | | |
| **Second Stripe Color Code** | Color Codes **0, 1, 2, 3, 4, 5, 6, 7, 8, 9** (Omit for none) See Table II | | | | | |
| **Third Stripe Color Code** | Color Codes **0, 1, 2, 3, 4, 5, 6, 7, 8, 9** (Omit for none) See Table II | | | | | |

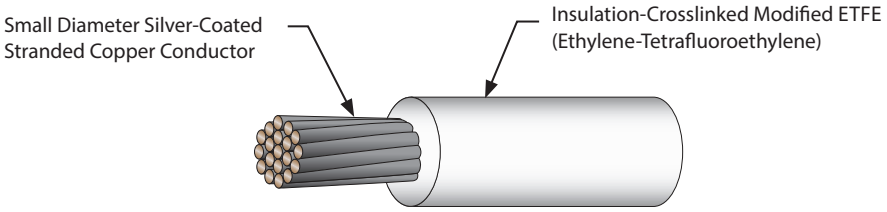


**Table II: Jacket and Stripe Color Codes**

| Color code | Color |
|---|---|
| 0 | Black |
| 1 | Brown |
| 2 | Red |
| 3 | Orange |
| 4 | Yellow |
| 5 | Green |
| 6 | Blue |
| 7 | Violet |
| 8 | Gray |
| 9 | White |

**Table I: Part Number and Wire Specifications**

| Part Number | Wire Size | Stranding (Number of strands x size gage of strands) | Diameter of stranded conductor (inches) | | Finished Wire | | |
|---|---|---|---|---|---|---|---|
| | | | min | max | Resistance at 20° C (68° F) (Ohms/ 1000 ft) max | Diameter (inches) | Weight (lbs/1000 ft) max |
| GS22759-50-30-* | 30 | 7 X 38 | 0.0105 | 0.0124 | 100.7 | .032±.002 | 1.0 |
| GS22759-50-28-* | 28 | 7 X 36 | 0.0135 | 0.0154 | 63.8 | .035±.002 | 1.3 |
| GS22759-50-26-* | 26 | 19 X 38 | 0.0175 | 0.0194 | 38.4 | .040±.002 | 1.7 |
| GS22759-50-24-* | 24 | 19 X 36 | 0.0225 | 0.0244 | 24.3 | .045±.002 | 2.3 |
| GS22759-50-22-* | 22 | 19 X 34 | 0.0285 | 0.0304 | 15.1 | .050±.002 | 3.3 |
| GS22759-50-20-* | 20 | 19 X 32 | 0.0365 | 0.0384 | 9.19 | .058±.002 | 4.7 |
| GS22759-50-18-* | 18 | 19 X 30 | 0.0455 | 0.0484 | 5.79 | .070±.002 | 7.2 |
| GS22759-50-16-* | 16 | 19 X 29 | 0.0515 | 0.0544 | 4.52 | .077±.003 | 9.0 |
| GS22759-50-14-* | 14 | 19 X 27 | 0.0645 | 0.0684 | 2.88 | .094±.003 | 13.8 |
| GS22759-50-12-* | 12 | 37 X 28 | 0.0835 | 0.0874 | 1.90 | .111±.003 | 20.5 |
| GS22759-50-10-* | 10 | 37 X 26 | 0.106 | 0.112 | 1.19 | .134±.004 | 32.4 |

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Glenair Signature Wire and Cable · Dimensions in Inches (millimeters) are subject to change without notice.



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