



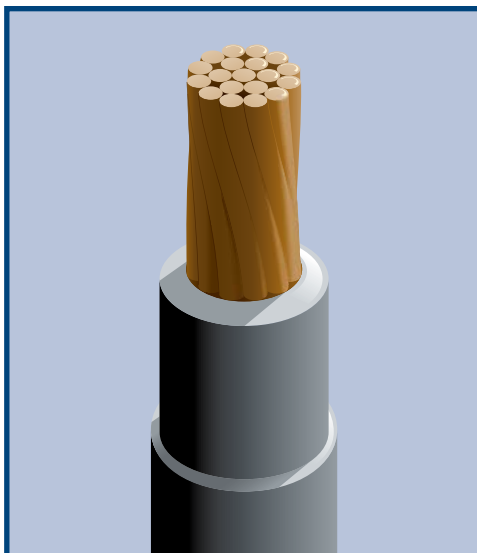
# MIL-DTL-8777 /MS27110

## Normal Wall Silicone Wire Cable

### APPLICATION

This multi layer, normal weight, high temperature wire offers outstanding flexibility and performance which makes it suitable for many applications where high density cabling and harnessing are required to make tight bends.

Besides this advantage, these wires have excellent resistance to cut-through, abrasion, cold flow, shrink back, notch propagation and common military chemicals.



### CONDUCTOR

Soft Annealed Silver Coated Copper

### INSULATION

Silicone Rubber

### JACKET

Braid, and extruded Fluoropolymer to provide protection from military fluids, and to reduce fraying.

| Part Number  | Conductor |                 |           |          | Conductor Resistance @20°C | Max. Diameter | Weight |
|--------------|-----------|-----------------|-----------|----------|----------------------------|---------------|--------|
|              | Size      |                 | Stranding | Material |                            |               |        |
|              | AWG       | mm <sup>2</sup> |           |          |                            |               |        |
| AD27110-22-X | 22        | .35             | 19        | SC       | 15.2                       | .086          | 7.1    |
| AD27110-20-X | 20        | .38             | 19        |          | 9.42                       | .096          | 9.0    |
| AD27110-18-X | 18        | .62             | 19        |          | 6.03                       | .108          | 12.1   |
| AD27110-16-X | 16        | .96             | 19        |          | 4.76                       | .116          | 14.3   |
| AD27110-14-X | 14        | 1.94            | 19        |          | 2.99                       | .141          | 21.5   |
| AD27110-12-X | 12        | 3.08            | 19        |          | 1.88                       | .160          | 30.5   |
| AD27110-10-X | 10        | 4.74            | 49        |          | 1.16                       | .194          | 48.0   |
| AD27110-8-X  | 8         | 8.61            | 133       |          | .70                        | .243          | 75.0   |
| AD27110-6-X  | 6         | 13.6            | 133       |          | .436                       | .295          | 114.0  |
| AD27110-4-X  | 4         | 22.0            | 133       |          | .274                       | .357          | 173.0  |

The above part numbers represent the more popular constructions. However, other designs are available upon request. All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

