



# MIL- DTL-16878/7 TYPE F NEMA HP-6-F, 600V, Silicone

## Description

Silicone rubber insulated hook-up wire for aerospace, military, industrial or commercial applications.

## Approvals

MIL-DTL-16878/7 Type F  
SAE/NEMA HP-6

## Conductors

Soft annealed, silver-plated copper conductor  
Single conductor

## Insulation

Stranded silver plated copper conductors  
Silicone rubber insulation (SR)

## Temperature Rating

-55 to 200°C

## Voltage Rating

600 Volts

## Application

Internal wiring of electric and electronic equipment with requirements for: both high and low temperatures, good flexibility/flex life, resistance to chemicals, resistance to solder iron damage for easier solder termination



| Sycor Part No | AWG | Stranding | Nominal Insulation |     | Nominal O.D. |     | Approx Weight Lbs./Mft. |       |
|---------------|-----|-----------|--------------------|-----|--------------|-----|-------------------------|-------|
|               |     |           | inches             | mm  | inches       | mm  | Lbs/1000ft              | kg/km |
| A4S2407S      | 24  | 7/32      | 0.016              | 0.4 | 0.055        | 1.4 | 2                       | 4     |
| A4S2207S      | 22  | 7/30      | 0.016              | 0.4 | 0.061        | 1.5 | 3                       | 5     |
| A4S2007S      | 20  | 7/28      | 0.016              | 0.4 | 0.069        | 1.8 | 5                       | 7     |
| A4S2010S      | 20  | 10/30     | 0.016              | 0.4 | 0.069        | 1.8 | 5                       | 7     |
| A4S2019S      | 20  | 19/32     | 0.016              | 0.4 | 0.069        | 1.8 | 5                       | 22    |
| A4S1807S      | 18  | 7/26      | 0.016              | 0.4 | 0.079        | 2.0 | 7                       | 11    |
| A4S1816S      | 18  | 16/30     | 0.016              | 0.4 | 0.079        | 2.0 | 7                       | 11    |
| A4S1619S      | 16  | 19/29     | 0.016              | 0.4 | 0.088        | 2.2 | 9                       | 14    |
| A4S1626S      | 16  | 26/30     | 0.016              | 0.4 | 0.088        | 2.2 | 10                      | 15    |
| A4S1419S      | 14  | 19/27     | 0.024              | 0.6 | 0.119        | 3.0 | 16                      | 24    |
| A4S1441S      | 14  | 41/30     | 0.024              | 0.6 | 0.119        | 3.0 | 17                      | 25    |
| A4S1219S      | 12  | 19/25     | 0.024              | 0.6 | 0.138        | 3.5 | 23                      | 34    |
| A4S1265S      | 12  | 65/30     | 0.024              | 0.6 | 0.138        | 3.5 | 24                      | 36    |
| A4S10105S     | 10  | 105/30    | 0.022              | 0.6 | 0.161        | 4.1 | 35                      | 52    |

*Additional strandings and gauges available upon request.  
May be available with tin-plated conductors rated to 150 °C*

## Color

Stock colors 0-9. Custom colors and striped combinations available upon request.

## Value Added Services



Cutting



Re-Spooling



Terminating

## Color codes

