



**Part Number:** 83003

Hook-Up/Lead Wire UL AWM Style 1213, (1) 24 AWG (19x36) SPC, TFE, 105°C

## Product Description

One 24 AWG stranded (19x36) silver plated copper conductor, TFE insulation.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material                   | No. of Conductors |
|------------------------------------|-----------|----------------------------|-------------------|
| 24                                 | 19x36     | SPC - Silver Plated Copper | 1                 |
| <b>Total Number of Conductors:</b> |           |                            | 1                 |

#### Insulation:

| Material                  | Nominal Wall Thickness |
|---------------------------|------------------------|
| TFE - Tetrafluoroethylene | 0.01 in                |

#### Outerjacket 1:

| Nominal Diameter |
|------------------|
| 0.044 in         |

### Electrical Characteristics

#### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 24 Ohm/1000ft         |

### Current:

| Element                               | Max. Recommended Current [A] |
|---------------------------------------|------------------------------|
| Mil-Std-975M Table 3.16 (single wire) | 3.3 amps                     |

### Voltage:

| Description   | Voltage Rating [V] |
|---------------|--------------------|
| Mil-W-16878/4 | 600 V RMS          |

## Use

### Safety

|                  |      |
|------------------|------|
| UL Flammability: | VW-1 |
|------------------|------|

### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -70°C To +200°C |
|-----------------------|-----------------|

### Mechanical Characteristics

### Part Number

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

### Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| MIL Spec Rating:                  | MIL Spec Rating                  |
| Military Specification:           | Military Specification           |
| UL Rating:                        | UL Rating                        |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |
| EU CE Mark:                       | EU CE Mark                       |

### History

## Product Variants

| Part Number   | Color       | Put-Up Type | Length  |
|---------------|-------------|-------------|---------|
| 83003 0011000 | BROWN       | Reel        | 1000 ft |
| 83003 001100  | BROWN       | Reel        | 100 ft  |
| 83003 0021000 | RED         | Reel        | 1000 ft |
| 83003 002100  | RED         | Reel        | 100 ft  |
| 83003 0031000 | ORANGE      | Reel        | 1000 ft |
| 83003 003100  | ORANGE      | Reel        | 100 ft  |
| 83003 003500  | ORANGE      | Reel        | 500 ft  |
| 83003 0041000 | YELLOW      | Reel        | 1000 ft |
| 83003 004100  | YELLOW      | Reel        | 100 ft  |
| 83003 0051000 | GREEN, DARK | Reel        | 1000 ft |
| 83003 005100  | GREEN, DARK | Reel        | 100 ft  |
| 83003 005500  | GREEN, DARK | Reel        | 500 ft  |
| 83003 0061000 | BLUE, LIGHT | Reel        | 1000 ft |
| 83003 006100  | BLUE, LIGHT | Reel        | 100 ft  |
| 83003 006500  | BLUE, LIGHT | Reel        | 500 ft  |
| 83003 0071000 | VIOLET      | Reel        | 1000 ft |
| 83003 007100  | VIOLET      | Reel        | 100 ft  |
| 83003 0081000 | GRAY        | Reel        | 1000 ft |
| 83003 008100  | GRAY        | Reel        | 100 ft  |
| 83003 0091000 | WHITE       | Reel        | 1000 ft |
| 83003 009100  | WHITE       | Reel        | 100 ft  |
| 83003 0101000 | BLACK       | Reel        | 1000 ft |
| 83003 010100  | BLACK       | Reel        | 100 ft  |
| 83003 010500  | BLACK       | Reel        | 500 ft  |

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