



**Part Number: 83006**

Hook-Up/Lead Wire UL AWM Style 1213, (1) 22 AWG (19x34) SPC, TFE, 105°C

[Request Sample](#)

**Product Description**

One 22 AWG stranded (19x34) silver plated copper conductor, TFE insulation.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material                   | No. of Conductors |
|-----|-----------|----------------------------|-------------------|
| 22  | 19x34     | SCC - Silver-coated Copper | 1                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 1      |
| Conductor Size:  | 22 AWG |

**Insulation**

| Material                  | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| TFE - Tetrafluoroethylene | 0.048 in         | 0.009 in               |

**Outer Jacket Material**

| Material  | Nominal Diameter |
|-----------|------------------|
| No Jacket | 0.05 in          |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR |
|-----------------------|
| 15.75 Ohm/1000ft      |

|            |            |
|------------|------------|
| Shielding: | Unshielded |
|------------|------------|

**Current**

| Element                               | Max. Recommended Current [A]                    |
|---------------------------------------|---|
| Mil-Std-975M Table 3.16 (single wire) | Mil-Std-975M Table 3.16 (single wire): 4.5 amps |

**Voltage**

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

**Temperature Range**

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -70°C To +200°C |

**Mechanical Characteristics**

|                    |              |
|--------------------|--------------|
| Bulk Cable Weight: | 4 lbs/1000ft |
|--------------------|--------------|

**Standards**

|                         |  |
|-------------------------|--|
| UL AWM Style:           | 1213   |
| Military Specification: | NEMA HP3, MIL-W-16878/4 (Except For Stranding) |

**Applicable Environmental and Other Programs**

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

### Flammability, LSOH, Toxicity Testing

|                    |           |
|--------------------|-----------|
| UL Flammability:   | VW-1      |
| UL voltage rating: | 600 V RMS |

### Plenum/Non-Plenum

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

### Part Number

#### Variants

| Item #        | Color       | Footnote |
|---------------|-------------|----------|
| 83006 010100  | Black       | E        |
| 83006 0101000 | Black       |          |
| 83006 010500  | Black       | E S      |
| 83006 006100  | Blue, Light | E        |
| 83006 0061000 | Blue, Light | E S      |
| 83006 006500  | Blue, Light | E S      |
| 83006 001100  | Brown       | E        |
| 83006 0011000 | Brown       | E S      |
| 83006 001500  | Brown       | E S      |
| 83006 008100  | Gray        | E        |
| 83006 0081000 | Gray        | E S      |
| 83006 005100  | Green, Dark | E        |
| 83006 0051000 | Green, Dark | E S      |
| 83006 005500  | Green, Dark | E S      |
| 83006 003100  | Orange      | E        |
| 83006 0031000 | Orange      | E S      |
| 83006 002100  | Red         | E        |
| 83006 0021000 | Red         |          |
| 83006 002500  | Red         | E S      |
| 83006 0071000 | Violet      | E S      |
| 83006 007100  | Violet      | E        |
| 83006 009100  | White       | E        |
| 83006 0091000 | White       |          |
| 83006 009500  | White       | E S      |
| 83006 004100  | Yellow      | E        |
| 83006 0041000 | Yellow      | E S      |
| 83006 004500  | Yellow      | E S      |

|           |   |
|-----------|---|
| Footnote: | E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.  |
| Footnote: | S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE) |

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