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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Part Number: 83007

Hook-Up/Lead Wire UL AWM Style 1213, (1) 20 AWG (19x32) SPC, TFE, 105°C

[Request Sample](#)

Product Description

One 20 AWG stranded (19x32) silver plated copper conductor, TFE insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------------------------|-------------------|
| 20 | 19x32 | SCC - Silver-coated Copper | 1 |

| | |
|------------------|--------|
| Conductor Count: | 1 |
| Conductor Size: | 20 AWG |

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|---------------------------|------------------|------------------------|
| TFE - Tetrafluoroethylene | 0.056 in | 0.009 in |

Outer Jacket Material

| Material | Nominal Diameter |
|-----------|------------------|
| No Jacket | 0.058 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 9 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): 6.5 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: | 5 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 |
|---------------|-------------|----------|
| 83007 010100 | Black | |
| 83007 0101000 | Black | S W |
| 83007 010500 | Black | S W |
| 83007 006100 | Blue, Light | |
| 83007 0061000 | Blue, Light | S W |
| 83007 006500 | Blue, Light | S W |
| 83007 001100 | Brown | |
| 83007 0011000 | Brown | S W |
| 83007 008100 | Gray | |
| 83007 0081000 | Gray | S W |
| 83007 005100 | Green, Dark | |
| 83007 0051000 | Green, Dark | S W |
| 83007 003100 | Orange | |
| 83007 0031000 | Orange | S W |
| 83007 002100 | Red | |
| 83007 0021000 | Red | S W |
| 83007 002500 | Red | S W |
| 83007 007100 | Violet | |
| 83007 0071000 | Violet | S W |
| 83007 009100 | White | |
| 83007 0091000 | White | S W |
| 83007 009500 | White | S W |
| 83007 004100 | Yellow | |
| 83007 0041000 | Yellow | S W |

| | |
|-----------|---|
| Footnote: | S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE) |
| Footnote: | W - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 75'. |

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