



Part Number: 9921

Hook- Up/ Lead Wire UL AWM Style 1007 & 1569, (1) 22 AWG (7x30) TC, PVC, 300V 80°C, 300V 105°C

[🛒 Request Sample](#)

Product Description

One 22 AWG stranded (7x30) tinned copper conductor, PVC insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 1 |

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

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness | Min. Average Wall Thickness |
|--------------------------|------------------|------------------------|-----------------------------|
| PVC - Polyvinyl Chloride | 0.062 in | 0.0165 in | 0.015 in |

Outer Jacket Material

| Material | Nominal Diameter |
|-----------|------------------|
| No Jacket | 0.062 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 15.25 Ohm/1000ft | 6.2 Ohm/km |

High Frequency (Nominal/Typical)

| Nom. Insertion Loss |
|---------------------|
| 6.2 dB/100m |
| 6.1 dB/100m |

Unbalanced Crosstalk

| Typical Unbalanced FEXT % |
|---------------------------|
| 6.2 MHz |

Current

| Element | Max. Recommended Current [A] |
|---|---|
| Single conductor in free air @ 30C ambient. | Single conductor in free air @ 30C ambient. 11 amps |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 VRMS |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -20°C To +105°C |

Mechanical Characteristics

| | |
|-----------------------------|----------------|
| Bulk Cable Weight: | 3.5 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 6.25 in |

Dimensions (WxHxD)

| |
|--------|
| Length |
| 6.25 |

Standards

| | |
|-------------------------|---|
| UL Rating: | 300V RMS, 80°C and 300V, 105°C |
| UL AWM Style: | UL Style 1007 (300 V 80°C), UL Style 1569 (300 V 105°C) |
| CSA Rating: | 300V RMS, 105°C |
| CSA Type: | TRSR-64 |
| Military Specification: | N/A |

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): | 2005-10-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| UL Flammability: | VW-1 |
| CSA Flammability: | FT1 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Footnote |
|--------------|-------------|----------|
| 9921 010100 | Black | |
| 9921 0101000 | Black | P |
| 9921 0105000 | Black | C |
| 9921 013100 | Blue, Dark | |
| 9921 0131000 | Blue, Dark | P |
| 9921 0135000 | Blue, Dark | C |
| 9921 006100 | Blue, Light | |
| 9921 0061000 | Blue, Light | P |
| 9921 001100 | Brown | |
| 9921 0011000 | Brown | P |
| 9921 008100 | Gray | |
| 9921 0081000 | Gray | P |
| 9921 0085000 | Gray | C P |
| 9921 005100 | Green, Dark | |
| 9921 0051000 | Green, Dark | P |
| 9921 003100 | Orange | |
| 9921 0031000 | Orange | P |

| | | |
|--------------|--------|-----|
| 9921 002100 | Red | |
| 9921 0021000 | Red | P |
| 9921 0025000 | Red | C P |
| 9921 007100 | Violet | |
| 9921 0071000 | Violet | P |
| 9921 009100 | White | |
| 9921 0091000 | White | P |
| 9921 004100 | Yellow | |
| 9921 0041000 | Yellow | P |
| 9921 0045000 | Yellow | C |

| | |
|-----------|---|
| Footnote: | P - STRIPE COLORS ON STOCK SOLID COLORS. STRIPING ADDER OF \$8.00/M= FOR 1 OR 2 STRIPES. 10,000' MINIMUM ORDER FOR COLOR COMBINATION. PUT-UP WILL BE SUBJECT TO TWO PIECES (+ OR -) 10% PER SPOOL, WITH A MINIMUM LENGTH OF 100'. |
| Footnote: | C - CRATE REEL PUT-UP. |

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