

Part Number: 83005

Hook-Up/Lead Wire UL AWM Style 1213, (1) 22 AWG
(7x30) SPC, TFE, 105°C

Product Description

One 22 AWG stranded (7x30) silver plated copper conductor, TFE insulation.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------------------------|-------------------|
| 22 | 7x30 | SPC - Silver Plated Copper | 1 |

| | |
|------------------------------------|---|
| Total Number of Conductors: | 1 |
|------------------------------------|---|

Insulation:

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

Outerjacket 1:

| Nominal Diameter |
|------------------|
| 0.05 in |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 15.25 Ohm/1000ft |

Current:

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

Voltage:

| Description | Voltage Rating [VI] |
|---------------|---------------------|
| 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 |
|---------------|-------------|-------------|---------|
| 83005 0011000 | BROWN | Reel | 1000 ft |
| 83005 001100 | BROWN | Reel | 100 ft |
| 83005 0021000 | RED | Reel | 1000 ft |
| 83005 002100 | RED | Reel | 100 ft |
| 83005 0031000 | ORANGE | Reel | 1000 ft |
| 83005 003100 | ORANGE | Reel | 100 ft |
| 83005 0041000 | YELLOW | Reel | 1000 ft |
| 83005 004100 | YELLOW | Reel | 100 ft |
| 83005 0051000 | GREEN, DARK | Reel | 1000 ft |
| 83005 005100 | GREEN, DARK | Reel | 100 ft |
| 83005 0061000 | BLUE, LIGHT | Reel | 1000 ft |
| 83005 006100 | BLUE, LIGHT | Reel | 100 ft |
| 83005 0071000 | VIOLET | Reel | 1000 ft |
| 83005 007100 | VIOLET | Reel | 100 ft |
| 83005 0081000 | GRAY | Reel | 1000 ft |
| 83005 008100 | GRAY | Reel | 100 ft |
| 83005 0091000 | WHITE | Reel | 1000 ft |
| 83005 009100 | WHITE | Reel | 100 ft |
| 83005 0101000 | BLACK | Reel | 1000 ft |
| 83005 010100 | BLACK | Reel | 100 ft |

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