

Part Number: 8503

Hook-Up/ Lead Wire (Type B) MIL-W-16878/1-PVC, (1)
22 AWG (7x30) TC, PVC

Product Description

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

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

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

Insulation:

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.01 in |

Outerjacket 1:

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

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 13.75 Ohm/1000ft |

Current:

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

Use

Safety

Temperature Range

| | |
|-----------------------|-----------------|
| Operating Temp Range: | -40°C To +105°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 |
| 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 |
|--------------|----------------------|-------------|---------|
| 8503 0011000 | BROWN | Reel | 1000 ft |
| 8503 001100 | BROWN | Reel | 100 ft |
| 8503 0021000 | RED | Reel | 1000 ft |
| 8503 002100 | RED | Reel | 100 ft |
| 8503 0031000 | ORANGE | Reel | 1000 ft |
| 8503 003100 | ORANGE | Reel | 100 ft |
| 8503 0041000 | YELLOW | Reel | 1000 ft |
| 8503 004100 | YELLOW | Reel | 100 ft |
| 8503 0051000 | GREEN, DARK | Reel | 1000 ft |
| 8503 005100 | GREEN, DARK | Reel | 100 ft |
| 8503 0061000 | BLUE, LIGHT | Reel | 1000 ft |
| 8503 006100 | BLUE, LIGHT | Reel | 100 ft |
| 8503 0071000 | VIOLET | Reel | 1000 ft |
| 8503 007100 | VIOLET | Reel | 100 ft |
| 8503 0081000 | GRAY | Reel | 1000 ft |
| 8503 008100 | GRAY | Reel | 100 ft |
| 8503 0091000 | WHITE | Reel | 1000 ft |
| 8503 009100 | WHITE | Reel | 100 ft |
| 8503 0101000 | BLACK | Reel | 1000 ft |
| 8503 010100 | BLACK | Reel | 100 ft |
| 8503 0141000 | WHITE, BLACK STRIPE | Reel | 1000 ft |
| 8503 0151000 | WHITE, RED STRIPE | Reel | 1000 ft |
| 8503 0161000 | WHITE, GREEN STRIPE | Reel | 1000 ft |
| 8503 0171000 | WHITE, YELLOW STRIPE | Reel | 1000 ft |
| 8503 0181000 | WHITE, BLUE STRIPE | Reel | 1000 ft |
| 8503 0191000 | WHITE, BROWN STRIPE | Reel | 1000 ft |
| 8503 0211000 | WHITE, GRAY STRIPE | Reel | 1000 ft |
| 8503 0221000 | WHITE, VIOLET STRIPE | Reel | 1000 ft |

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