

Part Number: 9923

UL AWM Style 1007 and 1569



Product Description

Tinned copper conductor, PVC insulation. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | No. of Conductors |
|------------------------------------|-----------|--------------------|-------------------|
| 24 | 7X32 | TC - Tinned Copper | 1 |
| Total Number of Conductors: | | | 1 |

Insulation:

| Material | Nominal Wall Thickness | Min. Average Wall Thickness |
|--------------------------|------------------------|-----------------------------|
| PVC - Polyvinyl Chloride | 0.016 in | 0.015 in |

Outerjacket 1:

| Nominal Diameter |
|------------------|
| 0.056 mm |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 23.25 Ohm/km |

High Frequency (Nominal/Typical):

| Nom. Insertion Loss |
|---------------------|
| 6.3 db/100m |
| 6.3 db/100m |

High Freq:

| Min. PSACR [dB] |
|-----------------|
| 6.3 dB |

Current:

| Element | Max. Recommended Current [A] |
|--|------------------------------|
| Single conductor in free air @ 30C ambient | 0.291666666666667 A |

Voltage:

| UL Voltage Rating |
|-------------------|
| 300V |

Performance:

| Max. Insertion Loss |
|---------------------|
| Belden |
| 6.3 |

Use

Safety

| | |
|-------------------|------|
| CSA Flammability: | FT1 |
| UL Flammability: | VW-1 |

Temperature Range

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

Mechanical Characteristics

| | |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 6.25 in |
|-----------------------------|---------|

Part Number

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

Standards

| | |
|-----------------------------------|-----|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
|-----------------------------------|-----|

| | |
|-----------------------------|--|
| CSA Rating: | 300V RMS, 105°C |
| CSA Type: | TRSR-64 |
| MII Order #39 (China RoHS): | Yes |
| UL AWM Style: | UL Style 1007 (300V 80°C)^UL Style 156g (300V 105°C) |
| UL Rating: | 300V RMS, 80°C and 300V, 105°C |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |

History

Product Variants

| Part Number | Color | Put-Up Type | Length |
|--------------|-------------|-------------|---------|
| 9923 0011000 | BROWN | Reel | 1000 ft |
| 9923 0021000 | RED | Reel | 1000 ft |
| 9923 002100 | RED | Reel | 100 ft |
| 9923 0025000 | RED | Reel | 5000 ft |
| 9923 0031000 | ORANGE | Reel | 1000 ft |
| 9923 0041000 | YELLOW | Reel | 1000 ft |
| 9923 0051000 | GREEN, DARK | Reel | 1000 ft |
| 9923 0071000 | VIOLET | Reel | 1000 ft |
| 9923 0081000 | GRAY | Reel | 1000 ft |
| 9923 0091000 | WHITE | Reel | 1000 ft |
| 9923 009100 | WHITE | Reel | 100 ft |
| 9923 0101000 | BLACK | Reel | 1000 ft |
| 9923 010100 | BLACK | Reel | 100 ft |
| 9923 0105000 | BLACK | Reel | 5000 ft |
| 9923 0131000 | BLUE, DARK | Reel | 1000 ft |

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