



Product: [9904](#)

Lead Wire, #4 Str TC, PVC Ins, AWM 1283 AWM 1015

Request Sample

Product Description

Low Temp Plastic Lead Wire, 4AWG (133x25) Tinned Copper, PVC Insulation, AWM 1283 AWM 1015 CSA TYPE TEW 600V 105C

Technical Specifications

Product Overview

|                        |                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | inter-connection circuits, internal wiring of computer and electronic equipments, internal wiring of appliances, machine tool wire |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------|

Physical Characteristics (Overall)

| Conductor        |           |                    |                   |
|------------------|-----------|--------------------|-------------------|
| AWG              | Stranding | Material           | No. of Conductors |
| 4                | 133x25    | TC - Tinned Copper | 1                 |
| Conductor Count: |           |                    | 1                 |

| Insulation               |                  |                        |
|--------------------------|------------------|------------------------|
| Material                 | Nominal Diameter | Nominal Wall Thickness |
| PVC - Polyvinyl Chloride | 0.392 in         | 0.063 in               |

Electrical Characteristics

| Conductor DCR         |  |
|-----------------------|--|
| Nominal Conductor DCR |  |
| 0.27 Ohm/1000ft       |  |

| Current                                    |                                            |
|--------------------------------------------|--------------------------------------------|
| Element                                    | Max. Recommended Current [A]               |
| Single Conductor in Free Air @ 30C Ambient | Single conductor in free air @ 30°C: 160 A |

| Voltage           |  |
|-------------------|--|
| UL Voltage Rating |  |
| 600 V RMS         |  |

Temperature Range

|                        |       |
|------------------------|-------|
| Non-UL Temp Rating:    | 105°C |
| UL Temperature Rating: | 105°C |

Mechanical Characteristics

|                                 |                |
|---------------------------------|----------------|
| Bulk Cable Weight:              | 193 lbs/1000ft |
| Minimum Minor Axis Bend Radius: | 1.57 in        |

Standards

|                      |             |
|----------------------|-------------|
| NEC Articles:        | Article 310 |
| NEC/(UL) Compliance: | MTW         |
| UL Rating:           | 600V, 105°C |

|                          |                    |
|--------------------------|--------------------|
| UL AWM Style Compliance: | AWM 1015, AWM 1283 |
| CSA Rating:              | 600V, 105°C        |
| CSA Type:                | TEW                |

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 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | Yes                           |
| CA Prop 65:                                  | 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 |
|---------------|----|

Related Part Numbers

Variants

| Item #      | Color  | Put-Up Type | Length | UPC          |
|-------------|--------|-------------|--------|--------------|
| 9904 01050  | Black  | Reel        | 50 ft  | 612825260349 |
| 9904 010500 | Black  | Reel        | 500 ft | 612825260356 |
| 9904 001500 | Brown  | Reel        | 500 ft | 612825260301 |
| 9904 00250  | Red    | Reel        | 50 ft  | 612825260318 |
| 9904 002500 | Red    | Reel        | 500 ft | 612825260325 |
| 9904 00750  | Violet | Reel        | 50 ft  | 612825260332 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.382 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

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