



**Product:** [9495](#)

High Perform Instr, 1 Tri #14 Str TC, PVC Ins E1, PVC Jkt, PLTC

Request Sample

**Product Description**

High Performance Instrumentation, 1 Triad 14AWG (42x30) Tinned Copper, PVC Insulation E1 Color Code, PVC Outer Jacket, PLTC

**Technical Specifications**

Product Overview

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| Suitable Applications: | Instrumentation, Sensors, Valves, Positioners, RTD, 4-20mA, 0-10V |
|------------------------|-------------------------------------------------------------------|

Construction Details

Conductor

| Element  | No. of Elements | Size   | Stranding | Material           |
|----------|-----------------|--------|-----------|--------------------|
| Triad(s) | 1               | 14 AWG | 42x30     | TC - Tinned Copper |

Insulation

| Element  | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code          |
|----------|--------------------------|--------------------|--------------------------|---------------------|
| Triad(s) | PVC - Polyvinyl Chloride | 0.022 in (0.56 mm) | 0.119 in (3.02 mm)       | Black , White , Red |

Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter      | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.355 in (9.02 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.355 in (9.02 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element  | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|----------|--------------------|-------------------------------|------------------------------|
| Triad(s) | 2.8 Ohm/1000ft     | 27 pF/ft (89 pF/m)            | 8 Amps per conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (PLTC, CMG) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 105°C          | -30°C to +105°C |

|              |          |
|--------------|----------|
| Table Notes: | AWM 80°C |
|--------------|----------|

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.6 in (91 mm)  | 3.6 in (91 mm)    |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 160 lbs (73 kg) |
| Bulk Cable Weight: | 82 lbs/1000ft   |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                                                              |
| Flammability / Reaction to Fire: | UL 1685 UL Loading, T-29-520, IEEE 1202, FT4                                                                              |
| NEC / UL Compliance:             | Article 725, Article 727, Article 800, CMG, ITC, PLTC                                                                     |
| AWM Compliance:                  | AWM 2464                                                                                                                  |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.560 Revision Date: 08-09-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | UPC          | Footnote |
|--------------|--------|--------------|----------|
| 9495 0601000 | Chrome | 612825253990 | C        |
| 9495 0602500 | Chrome | 612825254003 | Z        |
| 9495 060500  | Chrome | 612825254010 | C        |

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