



Product: [9494](#)

High Perform Instr, 1 Tri #16 Str TC, PVC Ins E1, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 1 Triad 16AWG (19x29) 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               | 16 AWG | 19x29     | TC - Tinned Copper |

Insulation

| Element  | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|----------|--------------------------|--------------------|--------------------------|---------------|
| Triad(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.097 in (2.5 mm)        | ICEA Chart E1 |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.293 in (7.44 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.293 in (7.44 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element  | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|----------|--------------------|-------------------------------|--------------------------------|
| Triad(s) | 4.5 Ohm/1000ft     | 29 pF/ft (95 pF/m)            | 6.2 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. |
|-----------------|-------------------|
| 2.8 in (71 mm)  | 2.8 in (71 mm)    |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 120 lbs (54 kg) |
| Bulk Cable Weight: | 51 lbs/1000ft   |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance                                                                      |
| Flammability / Reaction to Fire: | UL 1685 UL Loading, FT4, T-29-520, IEEE 1202                                                                              |
| 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)                                                                                           |

Product Notes

|        |                                                |
|--------|------------------------------------------------|
| Notes: | Alternate color coding available upon request. |
|--------|------------------------------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.601 Revision Date: 01-04-2024 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | UPC          | Footnote |
|---------------|--------|--------------|----------|
| 9494 0602500  | Chrome | 612825253983 | Z        |
| 9494 060U1000 | Chrome | 612825253969 |          |
| 9494 060U500  | Chrome | 612825253976 |          |

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