



Product: [9494](#)

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

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Product Description

High Performance Instrumentation, 1 Triad 16AWG (19x29) Tinned Copper, PVC Insulation E1 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|----------|-------------------|--------|-----------|--------------------|
| Triad(s) | 1 | 16 AWG | 19x29 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|----------|--------------------------|--------------------|-------------------|
| Triad(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | Black, White, Red |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.281 in (7.14 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.281 in (7.14 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|----------|----------------------------|-------------------------------|-------------------------------|
| Triad(s) | 4.2 Ohm/1000ft (14 Ohm/km) | 29 pF/ft (95 pF/m) | 12 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|--------------------------------|
| 300 V (PLTC, CMG), 150 V (ITC) |

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 |
| Bulk Cable Weight: | 47 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, T-29-520, 1202 |
| NEC / UL Compliance: | Article 725, Article 727, Article 800, CMG, ITC-ER, PLTC-ER |
| AWM Compliance: | 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: 0.377 Revision Date: 12-15-2021 |
|----------------------|--|

Variants

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

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