



Product: [9366](#)

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

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Product Description

High Performance Instrumentation, 1 Triad 16AWG (19x29) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, 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 | AWG | Stranding | Material |
|----------|-------------------|-----|-----------|--------------------|
| Triad(s) | 1 | 16 | 19x29 | TC - Tinned Copper |

Insulation

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

Outer Shield Material

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|-------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 18 AWG (19x30) TC |

Outer Jacket Material

| Material | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.042 in | 0.303 in | Yes |

| | |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.303 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|----------|--------------------|-------------------------------|---|
| Triad(s) | 4.2 Ohm/1000ft | 67 pF/ft | 120.3 pF/ft |

| | |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 5.86 Ohm/1000ft |
|-----------------------|-----------------|

Voltage

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

Mechanical Characteristics

Temperature

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

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.75 in | 3 in |

| | |
|--------------------|---------------|
| Max. Pull Tension: | 145 lbs |
| Bulk Cable Weight: | 61 lbs/1000ft |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Sunlight Resistance |
| Flammability / Fire Resistance: | UL1685 Vertical Tray Flame Test, 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, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

Product Notes

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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.357 Revision Date: 08-25-2020 |
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