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# Product: 9316

High Perform Instr, 1 Pr #16 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

Request Sample

## Product Description

High Performance Instrumentation, 1 Pair 16AWG (19x29) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

## Technical Specifications

### Product Overview

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

### Construction Details

**Conductor**

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

**Insulation**

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

**Outer Shield Material**

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

**Outer Jacket Material**

| Material | Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.037 in | 0.264 in | Yes |

| | |
|---|---|
| Cable Diameter (Nominal): | 0.264 in |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|---|---|---|---|
| Pair(s) | 4.2 Ohm/1000ft | 68 pF/ft | 121 pF/ft |

**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. |
|---|---|

| | |
|---|---|
| 2.56 in | 2.6 in |

| | |
|---|---|
| Max. Pull Tension: | 105 lbs |
| Bulk Cable Weight: | 41 lbs/1000ft |

## Standards and Compliance

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

## History

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|---|---|
| Update and Revision: | Revision Number: 0.348 Revision Date: 07-31-2020 |

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