



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

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

Outer Jacket Material

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

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. |
|-----------------|
| 2.56 in         |

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

Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor/Outdoor, Sunlight Resistance                                                                     |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, T-29-520, 1202                                                                 |
| NEC / UL Compliance:            | 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

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.329 Revision Date: 06-09-2020 |
|----------------------|--------------------------------------------------|

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