



Product: [9512](#)

High Perform Instr, 2 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 2 Pair 22AWG (7x30) 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) | 2                 | 22  | 7x30      | TC - Tinned Copper |

Insulation

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

Outer Shield Material

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

Outer Jacket Material

| Material                 | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.042 in  | 0.295 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.295 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) |
|---------|--------------------|-------------------------------|-------------------------------------------------|
| Pair(s) | 15.0 Ohm/1000ft    | 26 pF/ft                      | 45 pF/ft                                        |

|                       |               |
|-----------------------|---------------|
| Nom Outer Shield DCR: | 15 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. |
|-----------------|-------------------|
| 3 in            | 3 in              |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 42 lbs        |
| Bulk Cable Weight: | 38 lbs/1000ft |

Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                                            |
| Flammability / Fire Resistance: | UL1685 UL 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

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.370 Revision Date: 09-30-2020 |
|----------------------|--------------------------------------------------|

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