



Product: [9363](#)

High Perform Instr, 1 Tri #22 Str TC, PVC Ins E1, OS, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 1 Triad 22AWG (7x30) 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                 | 22  | 7x30      | 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        | Alum / Poly | 100%     | 22 AWG (7x30) TC |

Outer Jacket Material

| Material                 | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in  | 0.210 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.210 in |
|---------------------------|----------|

Electrical Characteristics

Electricals

| Element  | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Max. Current                   |
|----------|--------------------|-------------------------------|---------------------------------|--------------------------------|
| Triad(s) | 15.0 Ohm/1000ft    | 26 pF/ft                      | 45 pF/ft                        | 3.8 Amps per Conductor at 25°C |

|                       |               |
|-----------------------|---------------|
| Nom Outer Shield DCR: | 60 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. |
|-----------------|
| 2 in            |

|                    |        |
|--------------------|--------|
| Max. Pull Tension: | 33 lbs |
| Bulk Cable Weight: | 26     |

Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                                            |
| 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: 0.364 Revision Date: 07-28-2020 |
|----------------------|--------------------------------------------------|

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