



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

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| Update and Revision: | Revision Number: 0.364 Revision Date: 07-28-2020 |
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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331