



Product: [9322](#)

High Perform Instr, 1 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

Request Sample

### Product Description

High Performance Instrumentation, 1 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield,PVC Outer Jacket, PLTC

### Technical Specifications

#### Product Overview

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

#### Construction Details

##### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 22 AWG | 7x30      | TC - Tinned Copper |

##### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.062 in (1.6 mm)        | Black, Red |

##### Outer Shield

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

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.037 in (0.94 mm) | 0.201 in (5.11 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.201 in (5.11 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|---------|--------------------|-------------------------------|--------------------------------|
| Pair(s) | 18.2 Ohm/1000ft    | 46 pF/ft (150 pF/m)           | 2.8 Amps per Conductor at 25°C |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (PLTC, CMG) |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 105°C          | -30°C to +105°C |

|              |          |
|--------------|----------|
| Table Notes: | AWM 80°C |
|--------------|----------|

##### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.0 in (51 mm)  | 2.0 in (51 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 27 lbs (12 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft  |

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance  |
| Flammability / Reaction to Fire: | UL 1685 UL Loading, T-29-520, IEEE 1202   |
| NEC / UL Compliance:             | Article 725, Article 727, Article 800, CMG, ITC, PLTC   |
| AWM Compliance:                  | AWM 2464  |
| CEC / C(UL) Compliance:          | CMG   |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.623 Revision Date: 02-15-2024 |
|----------------------|--|

## Part Numbers

### Variants

| Item #        | Color  | UPC          | Footnote |
|---------------|--------|--------------|----------|
| 9322 0605000  | Chrome | 612825229353 | Z        |
| 9322 060U1000 | Chrome | 612825229339 |          |
| 9322 060U500  | Chrome | 612825229346 |          |

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