

# Product: 9521

High Perform Instr, 11 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC

Request Sample

## Product Description

High Performance Instrumentation, 11 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...),low voltage digital control (24v, …), encoders, control circuits, distributed control |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 11 | 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 and Numbered |

**Inner Shield**

| Material |
|---|
| No Shield |

**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 | 0.053 in (1.3 mm) | 0.506 in | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.506 in |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|---|---|---|---|
| 18.61 Ohm/1000ft | 26 pF/ft (85 pF/m) | 45 pF/ft (150 pF/m) | 2.4 Amps per Conductor at 25ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (AWM 2464) |

### Mechanical Characteristics

**Temperature**

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

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 5.06 in (129 mm) | 5.06 in |

| | |
|---|---|
| Max. Pull Tension: | 209 lbs (94.8 kg) |
| Bulk Cable Weight: | 125lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, T-29-520, IEEE 1202 FT4 |
| NEC / UL Compliance: | Article 725, Article 727, Article 800 |
| 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: 0.415 Revision Date: 01-10-2024 |

## Part Numbers

**Variants**

| Item # | Color | UPC | Footnote |
|---|---|---|---|
| 9521 0601000 | Chrome | 612825254904 | C |
| 9521 060500 | Chrome | 612825254911 | C |

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