



Product: [9514](#) 

High Perform Instr, 4 Pr #22 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

 [Request Sample](#)

Product Description

High Performance Instrumentation, 4 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

| Conductor              |           |                    |                  |              |
|------------------------|-----------|--------------------|------------------|--------------|
| AWG                    | Stranding | Material           | Nominal Diameter | No. of Pairs |
| 22                     | 7x30      | TC - Tinned Copper | 0.024 in         | 4            |
| Conductor Count:       |           |                    | 8                |              |
| Total Number of Pairs: |           |                    | 4                |              |

| Insulation               |                  |
|--------------------------|------------------|
| Material                 | Nominal Diameter |
| PVC - Polyvinyl Chloride | 0.062 in         |

| Color Chart |                            |
|-------------|----------------------------|
| Number      | Color                      |
| 1           | Black & Red and Numbered 1 |
| 2           | Black & Red and Numbered 2 |
| 3           | Black & Red and Numbered 3 |
| 4           | Black & Red and Numbered 4 |

| Outer Shield Material |             |                     |              |                    |               |                              |
|-----------------------|-------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Type                  | Material    | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
| Tape                  | Alum / Poly | Beldfoil®           | 100 %        | TC - Tinned Copper | 22            | 7x30                         |

| Outer Jacket Material    |                  |                        |         |
|--------------------------|------------------|------------------------|---------|
| Material                 | Nominal Diameter | Nominal Wall Thickness | Rlpcord |
| PVC - Polyvinyl Chloride | 0.356 in         | 0.042 in               | Yes     |

Electrical Characteristics

| Conductor DCR         |                          |
|-----------------------|--------------------------|
| Nominal Conductor DCR | Nominal Outer Shield DCR |
| 15 Ohm/1000ft         | 15 Ohm/1000ft            |

| Capacitance                             |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
| 26 pF/ft                                | 45 pF/ft                                                |

| Inductance         |  |
|--------------------|--|
| Nominal Inductance |  |
| 0.21 µH/ft         |  |

Current

| Max. Recommended Current [A]    |
|---------------------------------|
| 3.4 Amps per conductor @ 25°C A |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V RMS         |

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 58 lbs/1000ft |
| Max Recommended Pulling Tension: | 80 lbs        |
| Min Bend Radius/Minor Axis:      | 3.6 in        |

Standards

|                          |                      |
|--------------------------|----------------------|
| NEC/(UL) Specification:  | CMG, ITC-ER, PLTC-ER |
| CEC/C(UL) Specification: | CMG                  |
| UL AWM Style:            | 2464                 |

Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/96/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Burial:              | Yes |
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LSOH, Toxicity Testing

|                     |                    |
|---------------------|--------------------|
| C(UL) Flammability: | FT4                |
| UL Flammability:    | UL1685 FT4 Loading |
| ICEA Flammability:  | T-29-520           |
| IEEE Flammability:  | 1202               |
| UL voltage rating:  | 300 V RMS          |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #       | Color  | UPC          |
|--------------|--------|--------------|
| 9514 0601000 | Chrome | 612825254751 |
| 9514 0602500 | Chrome | 612825254768 |
| 9514 060500  | Chrome | 612825254775 |
| 9514 0605000 | Chrome | 612825254782 |

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| Footnote: | C - CRATE REEL PUT-UP.                                                                                           |
| Footnote: | Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN. |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.320 Revision Date: 04-28-2020 |
|----------------------|--------------------------------------------------|

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