



Product: [9410](#)

High Perform Instr, 1 Pr #16 Str TC, PVC Ins E2, PVC Jkt, PLTC-ER

Request Sample

Product Description

High Performance Instrumentation, 1 Pair 16AWG (19x29) Tinned Copper, PVC Insulation E2 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 16  | 19x29     | TC - Tinned Copper | 1            |

|                         |     |
|-------------------------|-----|
| Conductor Count:        | 2   |
| Total Number of Pairs:  | 1   |
| Total Number of Triads: | N/A |

Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.017 in               |

Color Chart

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |

Outer Shield Material

| Material   |
|------------|
| Unshielded |

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.260 in         | 0.037 in               | Yes     |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 4.2 Ohm/1000ft        |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 31 pF/ft                                |

Inductance

| Nominal Inductance |
|--------------------|
| 0.17 $\mu$ H/ft    |

Voltage

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

Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 80°C            |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 34 lbs/1000ft |
| Max Recommended Pulling Tension: | 40 lbs        |
| Min Bend Radius/Minor Axis:      | 2.52 in       |

Standards

|                          |                            |
|--------------------------|----------------------------|
| NEC/(UL) Specification:  | CMG, ITC-ER, PLTC-ER       |
| CEC/C(UL) Specification: | CMG                        |
| UL AWM Style:            | UL Style 2464 (300 V 80°C) |

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                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

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

Flammability, LSOH, Toxicity Testing

|                    |                                 |
|--------------------|---------------------------------|
| UL Flammability:   | UL1685 Vertical Tray Flame Test |
| CSA Flammability:  | FT4                             |
| IEEE Flammability: | 1202                            |
| UL voltage rating: | 300 V RMS                       |

Plenum/Non-Plenum

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

Part Number

Variants

| Item #        | Color  | UPC          | Footnote |
|---------------|--------|--------------|----------|
| 9410 0601000  | Chrome | 612825240211 | C        |
| 9410 0602500  | Chrome | 612825240228 | Z        |
| 9410 060U1000 | Chrome | 612825240198 | C        |
| 9410 060U500  | Chrome | 612825240204 |          |

|           |                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------|
| 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: 0.290 Revision Date: 09-10-2019 |
|----------------------|--------------------------------------------------|

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