




Product: [9493](#) 

High Perform Instr, 1 Tri #18 Str TC, PVC Ins E1, PVC Jkt, PLTC-ER

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Product Description

High Performance Instrumentation, 1 Triad 18AWG (19x30) Tinned Copper, PVC Insulation E1 Color Code, PVC Outer Jacket, PLTC-ER

Technical Specifications

Physical Characteristics (Overall)

Conductor

| Element | AWG | Stranding | Material           | No. of Triads |
|---------|-----|-----------|--------------------|---------------|
| Triad   | 18  | 19x30     | TC - Tinned Copper | 1             |

|                         |   |
|-------------------------|---|
| Conductor Count:        | 3 |
| Total Number of Triads: | 1 |

Insulation

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

Color Chart

| Number | Color |
|--------|-------|
| 1      | Black |
|        | White |
|        | Red   |

Outer Shield Material

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

Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.264 in         | 0.037 in               | Yes     |

Construction and Dimensions

Cabling

| Filler               |
|----------------------|
| Polypropylene Filler |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 5.96 Ohm/1000ft       |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 31.8 pF/ft                              |

Inductance

| Nominal Inductance |
|--------------------|
| 0.15 µH/ft         |

Voltage

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| PLTC, CMG      | 300 V RMS         |
| ITC            | 150 V RMS         |

Temperature Range

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

Mechanical Characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight:               | 35.9 lbs/1000ft |
| Max Recommended Pulling Tension: | 39 lbs          |
| Min Bend Radius/Minor Axis:      | 2.4 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                    |
| MII Order #39 (China RoHS):           | Yes                           |

Suitability

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

Flammability, LSOH, Toxicity Testing

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| 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          |
|---------------|--------|--------------|
| 9493 0602500  | Chrome | 612825253945 |
| 9493 0605000  | Chrome | 612825253952 |
| 9493 060U1000 | Chrome | 612825253921 |
| 9493 060U500  | Chrome | 612825253938 |

|           |  |
|-----------|--|
| 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: 0.298 Revision Date: 04-28-2020 |
|----------------------|--|

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