



Product: [9493](#)

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

[Request Sample](#)

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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