



**Product:** [9318](#)

High Perform Instr, 1 Pr #18 Str TC, PVC Ins E2, OS, PVC Jkt, PLTC-ER

[Request Sample](#)

**Product Description**

High Performance Instrumentation, 1 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Overall Beldfoil® Shield, PVC Outer Jacket, PLTC-ER

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18  | 19x30     | TC - Tinned Copper | 1            |

|                        |   |
|------------------------|---|
| Conductor Count:       | 2 |
| Total Number of Pairs: | 1 |

**Insulation**

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

**Color Chart**

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

**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 | 20            | 19x32                        |

**Outer Jacket Material**

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.233 in         | 0.037 in               | Yes     |

**Electrical Characteristics**

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 5.96 Ohm/1000ft       | 9 Ohm/1000ft             |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Shield |
|---|--------------------------------------|
| 54 pF/ft                                | 100 pF/ft                            |

**Inductance**

| Nominal Inductance |
|--------------------|
| 0.17 µH/ft         |

**Current**

| Max. Recommended Current [A]    |
|---------------------------------|
| 5.5 Amps per conductor @ 25°C A |

## Voltage

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

## Temperature Range

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

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 32 lbs/1000ft |
| Max Recommended Pulling Tension: | 26 lbs        |
| Min Bend Radius/Minor Axis:      | 2.23 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 - Indoor:              | Yes |
| Suitability - Outdoor:             | Yes |
| Suitability - Sunlight Resistance: | Yes |

## Flammability, LSOH, Toxicity Testing

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

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #        | Color  | UPC          |
|---------------|--------|--------------|
| 9318 0601000  | Chrome | 612825228615 |
| 9318 06010000 | Chrome | 612825228622 |
| 9318 06015000 | Chrome | 612825228639 |
| 9318 0605000  | Chrome | 612825228646 |
| 9318 060U1000 | Chrome | 612825228592 |
| 9318 060U500  | Chrome | 612825228608 |

|           |   |
|-----------|---|
| 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.                |
| Footnote: | Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |

## History

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