



**Product:** [9388](#) 

High Perform Instr, 4 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

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## Product Description

High Performance Instrumentation, 4 Pair 18AWG (19x30) Tinned Copper, PVC Insulation E2 Color Code, Individual Beldfoil® Shield, PVC Outer Jacket, PLTC

## Technical Specifications

### Product Overview

|                        |                                                              |
|------------------------|--------------------------------------------------------------|
| Suitable Applications: | Instrumentation, Sensors, Valves, Positioners, 4-20mA, 0-10V |
|------------------------|--------------------------------------------------------------|

### Construction Details

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 4               | 18 AWG | 19x30     | TC - Tinned Copper |

#### Insulation

| Element | Material                 | Nom. Thickness | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|----------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017          | 0.078 in (2.0 mm)        | ICEA Chart E2 |

#### Inner Shield

| Element | Shield Type | Material                | Coverage | Drainwire Type    | Notes     |
|---------|-------------|-------------------------|----------|-------------------|-----------|
| Pair(s) | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 20 AWG (19x32) TC | each pair |

#### Outer Jacket

| Separator               | Material                 | Nom. Thickness    | Nom. Diameter      | Ripcord |
|-------------------------|--------------------------|-------------------|--------------------|---------|
| PP - Polypropylene Tape | PVC - Polyvinyl Chloride | 0.053 in (1.3 mm) | 0.489 in (12.4 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.489 in (12.4 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR         | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Nom. Inductance        | Max. Current                   |
|---------|--------------------|-------------------------------|-------------------------------|---------------------------------|------------------------|--------------------------------|
| Pair(s) | 7.2 Ohm/1000ft     | 8.18 Ohm/1000ft (26.8 Ohm/km) | 57 pF/ft (190 pF/m)           | 85 pF/ft (280 pF/m)             | 0.18 µH/ft (0.59 µH/m) | 3.5 Amps per Conductor at 25°C |

#### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (PLTC, CMG) |

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 105°C          | -30°C to +105°C |

|                          |          |
|--------------------------|----------|
| Temperature Table Notes: | AWM 80°C |
|--------------------------|----------|

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.6 in (120 mm) | 4.6 in (120 mm)   |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 212 lbs (96.2 kg) |
| Bulk Cable Weight: | 122 lbs/1000ft    |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial                                                              |
| Flammability / Reaction to Fire: | UL 1685 UL Loading, FT4, T-29-520, IEEE 1202                                                                              |
| NEC / UL Compliance:             | Article 725, Article 727, Article 800, CMG, ITC, PLTC                                                                     |
| AWM Compliance:                  | AWM 2464                                                                                                                  |
| CEC / C(UL) Compliance:          | CMG                                                                                                                       |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.620 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | UPC          | Footnote |
|--------------|--------|--------------|----------|
| 9388 0601000 | Chrome | 612825239796 | C        |
| 9388 060500  | Chrome | 612825239802 | C        |
| 9388 0605000 | Chrome | 612825239819 | C Z      |

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

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