



Product: [9368](#)

High Perform Instr, 2 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

### Product Description

High Performance Instrumentation, 2 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 | Number of Element | Size   | Stranding | Material           |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 2                 | 18 AWG | 19x30     | TC - Tinned Copper |

##### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.019 in (0.48 mm) | 0.082 in (2.1 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) | 0.432 in (11.0 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.432 in (11.0 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR         | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Max. Current                 |
|---------|--------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| Pair(s) | 7.2 Ohm/1000ft     | 8.18 Ohm/1000ft (26.8 Ohm/km) | 57 pF/ft (190 pF/m)           | 102 pF/ft (335 pF/m)            | 4 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 |

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

##### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|-----------------|-------------------|

|                 |                 |
|-----------------|-----------------|
| 4.3 in (110 mm) | 4.3 in (110 mm) |
|-----------------|-----------------|

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 114 lbs (51.7 kg) |
|--------------------|-------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 78 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: 0.579 Revision Date: 04-14-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #       | Color  | UPC          |
|--------------|--------|--------------|
| 9368 0601000 | Chrome | 612825239598 |
| 9368 060500  | Chrome | 612825239611 |
| 9368 0605000 | Chrome | 612825239628 |

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