



Product: [9369](#)

High Perform Instr, 3 Pr #18 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 3 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) | 3 | 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) | 0.456 in (11.6 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.456 in (11.6 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) | 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 |

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

Bend Radius

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

| | |
|--------------------|-------------------|
| 4.5 in (110 mm) | 4.5 in (110 mm) |
| Max. Pull Tension: | 163 lbs (73.9 kg) |
| Bulk Cable Weight: | 105 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: 0.637 Revision Date: 01-04-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|--------|--------------|----------|
| 9369 0601000 | Chrome | 612825239635 | C |
| 9369 0602500 | Chrome | 612825239642 | Z |
| 9369 060500 | Chrome | 612825239659 | C |
| 9369 0605000 | Chrome | 612825239666 | C Z |

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