



Product: [9329](#)

High Perform Instr, 3 Pr #22 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 3 Pair 22AWG (7x30) 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 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.062 in (1.6 mm) | ICEA Chart E2 |

Inner Shield

| Element | Shield Type | Material | Coverage | Drainwire Type | Notes |
|---------|-------------|-------------------------|----------|------------------|-----------|
| Pair(s) | Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (7x30) TC | each pair |

Outer Jacket

| Separator | Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------|--------------------------|-------------------|--------------------|---------|
| Cotton Serve | PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.341 in (8.66 mm) | Yes |

Overall Cable Diameter (Nominal): 0.341 in (8.66 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) | 18.2 Ohm/1000ft | 13.37 Ohm/1000ft (43.86 Ohm/km) | 26 pF/ft (85 pF/m) | 45 pF/ft (150 pF/m) | 3.4 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. |
|------------------------|--------------------------|

| | |
|----------------|----------------|
| 3.4 in (86 mm) | 3.4 in (86 mm) |
|----------------|----------------|

| | |
|--------------------|----------------|
| Max. Pull Tension: | 63 lbs (29 kg) |
|--------------------|----------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 53 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------|--|
| Environmental Suitability: | Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance |
|----------------------------|--|

| | |
|----------------------------------|--|
| 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.626 Revision Date: 01-04-2024 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|--------|--------------|----------|
| 9329 0601000 | Chrome | 612825230304 | C |
| 9329 060500 | Chrome | 612825230311 | C |
| 9329 0605000 | Chrome | 612825230328 | Z |

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