



Product: [9328](#)

High Perform Instr, 2 Pr #22 Str TC, PVC Ins E2, IS, PVC Jkt, PLTC

Request Sample

Product Description

High Performance Instrumentation, 2 Pair 22AWG (7x30) Tinned Copper, PVC Insulation E2 Color Code, Individual Beldfoil® Shield, PVC Outer Jacket, PLTC

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...),low voltage digital control (24v, ...), encoders, control circuits, distributed control |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|------|-----------|--------------------|
| Pair(s) | 2 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------------------|--------------------|--------------------------|-------------------------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.062 in (1.6 mm) | Black, Red and Numbered |

Inner Shield

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|-------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.042 in (1.1 mm) | 0.323 in (8.20 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------------|-----------------------------|-------------------------------|---|--------------------------------|
| 18.2 Ohm/1000ft | 2.1 Ohm/1000ft (6.9 Ohm/km) | 30 pF/ft (98 pF/m) | 54 pF/ft (180 pF/m) | 3.8 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 3.23 in (82.0 mm) | 3.23 in (82.0 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 45.5 lbs (20.6 kg) |
|--------------------|--------------------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 42 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL 1685 FT4 loading, FT4, IEEE 1202 FT4 |
| 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: 0.607 Revision Date: 01-04-2024 |
|----------------------|--|

Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|--------------|--------|--------------|----------|
| 9328 0601000 | Chrome | 612825230144 | C |
| 9328 060500 | Chrome | 612825230151 | C |
| 9328 0605000 | Chrome | 612825230168 | Z |

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[9328 0605000](#)