# BELDEN

**Product: 9414** ☑

# Audio, Control & Instrument, #22-1pr, SR-PVC, O/A Foil, PVC Jkt, CMG

## Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded tinned copper drain wire, jacket-striated PVC.

## Technical Specifications

### Product Overview

| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, …); line level audio; computer communication; panel wiring |
|---|---|

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 1 | 22 | 7x30 | TC - Tinned Copper |

**Insulation**

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|
| SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.051 in (1.3 mm) | Black & White |

**Outer Shield**

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

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.035 in (0.89 mm) | 0.18 in |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Max. Current |
|---|---|---|---|---|
| 18.2 Ohm/1000ft | 50 pF/ft (160 pF/m) | 95 pF/ft (310 pF/m) | 38 Ohm | 2.9 Amps per Conductor at 25ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 80°C | -20°C To +80°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 1.8 in (46 mm) | 1.8 in |

| Max. Pull Tension: | 27 lbs (12 kg) |
|---|---|
| Bulk Cable Weight: | 21 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AWM 2464 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, 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: 0.336 Revision Date: 02-15-2024 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 9414 T35500 | Beige, Pale Fawn | Reel | 500 ft | 612825240396 | |
| 9414 T35U500 | Beige, Pale Fawn | UnReel | 500 ft | 612825240372 | |
| 9414 T351000 | Beige, Pale Fawn | Reel | 1,000 ft | 612825240389 | C |
| 9414 T35U1000 | Beige, Pale Fawn | UnReel | 1,000 ft | 612825240365 | |
| 9414 T355000 | Beige, Pale Fawn | Reel | 5,000 ft | 612825240402 | |

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