



**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 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 22  | 7x30      | TC - Tinned Copper | 1            |

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

#### Insulation

| Material                                 | Nominal Wall Thickness |
|------------------------------------------|------------------------|
| SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in               |

#### Color Chart

| Number | Color         |
|--------|---------------|
| 1      | Black & White |

#### Outer Shield

| Type | Material                | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil®           | 100%         | TC - Tinned Copper | 22            | 7x30                         |

#### Outer Jacket

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.18 in          | 0.035 in               |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 16 Ohm/1000ft         | 12.5 Ohm/1000ft          |

#### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|-----------------------------------------|---------------------------------------------------------|
| 50 pF/ft                                | 95 pF/ft                                                |

#### Inductance

| Nominal Inductance |
|--------------------|
| 0.18 µH/ft         |

#### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 38 Ohm                           |

Current

| Max. Recommended Current [A]   |
|--------------------------------|
| 2.9 Amps per Conductor at 25°C |

Voltage

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

Temperature Range

|                       |                          |
|-----------------------|--------------------------|
| UL Temp Rating:       | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -20°C To +80°C           |

Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 21 lbs/1000ft |
| Max. Pull Tension:           | 27 lbs        |
| Min. Bend Radius/Minor Axis: | 2 in          |

Standards

|                          |          |
|--------------------------|----------|
| NEC/(UL) Compliance:     | CMG      |
| CEC/C(UL) Compliance:    | CMG      |
| UL AWM Style Compliance: | AWM 2464 |

Applicable Environmental and Other Programs

|                                   |                               |
|-----------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):    | Yes                           |
| EU Directive 2003/96/EC (BFR):    | Yes                           |
| EU Directive 2011/65/EU (RoHS 2): | Yes                           |
| EU Directive 2012/19/EU (WEEE):   | Yes                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |
| MIL Order #39 (China RoHS):       | Yes                           |

Flammability, LS0H, Toxicity Testing

|                     |           |
|---------------------|-----------|
| C(UL) Flammability: | FT4       |
| UL voltage rating:  | 300 V RMS |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item #        | Color            | Put-Up Type | Length   | UPC          |
|---------------|------------------|-------------|----------|--------------|
| 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 |
| 9414 T35U1000 | Beige, Pale Fawn | UnReel      | 1,000 ft | 612825240365 |
| 9414 T355000  | Beige, Pale Fawn | Reel        | 5,000 ft | 612825240402 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.322 Revision Date: 08-27-2021 |
|----------------------|--------------------------------------------------|

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