



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 | Number of Element | 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 25°C |

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: 0.333 Revision Date: 05-05-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #        | Color            | Putup 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 |

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