



**Product:** [8723](#)

Audio, Control & Instrument, #22-2pr, PO, Individ. Foil, PVC Jkt, CM

## Product Description

Audio, Control & Instrument Cable, 22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

## 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 | AWG | Stranding | Material           |
|---------|-------------------|-----|-----------|--------------------|
| Pair(s) | 2                 | 22  | 7x30      | TC - Tinned Copper |

#### Insulation

| Element | Material           | Thickness | Color Code                 |
|---------|--------------------|-----------|----------------------------|
| Pair(s) | PP - Polypropylene | 0.009 in  | Black & Red, Green & White |

#### Inner Shield Material

| Element | Shield Type | Material                | Coverage | Drainwire Type   | Notes                                      |
|---------|-------------|-------------------------|----------|------------------|--|
| Pair(s) | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC | foil-out tape on each pair, one drain wire |

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.020 in  | 0.160 in      |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.160 in |
|---------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Characteristic Impedence | Nom. Velocity of Prop. | Max. Current   |
|---------|--------------------|-------------------------------|---|--------------------------|------------------------|--|
| Pair(s) | 14.7 Ohm/1000ft    | 33 pF/ft                      | 62 pF/ft  | 52 Ohm                   | 66%                    | 2.3 Amps per Conductor at 25°C (10°C Temperature Rise) |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| UL Rating | Operating      |
|-----------|----------------|
| 60°C      | -20°C to +75°C |

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|-----------------|-------------------|

|                    |               |
|--------------------|---------------|
| 1.75 in            | 1.6 in        |
| Max. Pull Tension: | 42 lbs        |
| Bulk Cable Weight: | 17 lbs/1000ft |

## Standards and Compliance

|                                 |   |
|---------------------------------|---|
| Environmental Suitability:      | Indoor  |
| Flammability / Fire Resistance: | UL1581 Vertical Tray,UL1685 FT4 Loading, Limited Smoke, IEC 60332-1-2   |
| NEC / UL Compliance:            | Article 800, CM   |
| CEC / C(UL) Compliance:         | CM  |
| CPR Euroclass:                  | Eca   |
| 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)   |
| Plenum Number:                  | 82723, 87723, 88723   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.409 Revision Date: 04-30-2021 |
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