



**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 [in] | Color Code                 |
|---------|--------------------|----------------|----------------------------|
| Pair(s) | PP - Polypropylene | 0.0085         | Black & Red, Green & White |

#### Inner Shield Material

| Element | Type | Material    | Coverage | Drain Type       | Notes     |
|---------|------|-------------|----------|------------------|-----------|
| Pair(s) | Tape | Alum / Poly | 100%     | 24 AWG (7x32) TC | each pair |

#### Outer Jacket Material

| Material                 | Thickness | Diameter |
|--------------------------|-----------|----------|
| PVC - Polyvinyl Chloride | 0.020 in  | 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. |
|-----------------|
| 1.75 in         |

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

Standards and Compliance

|                                 |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor                                                                                                  |
| Flammability / Fire Resistance: | UL1685 (UL Loading), 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, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)                                                                         |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.339 Revision Date: 06-09-2020 |
|----------------------|--------------------------------------------------|

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