



**Part Number: 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**

**Physical Characteristics (Overall)**

**Conductor**

| AWG | Stranding | Material           | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 22  | 7x30      | TC - Tinned Copper | 2            |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 22 AWG |

**Insulation**

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.009 in               |

**Color Chart**

| Number | Color         |
|--------|---------------|
| 1      | Red & Black   |
| 2      | Green & White |

**Inner Shield Material**

| Type | Material                     | Material Trade Name               | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|-----------------------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® (Z-Fold®-foil side out) | 100 %        | TC - Tinned Copper | 24            | 7x32 mm                      |

**Outer Shield Material**

| Material   |
|------------|
| Unshielded |

**Outer Jacket Material**

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.16 in          | 0.02 in                |

**Electrical Characteristics**

**Conductor DCR**

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|------------------------------------|-----------------------|
| 15 Ohm/1000ft                      | 14.7 Ohm/1000ft       |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 33 pF/ft                                | 62 pF/ft  |

**Inductance**

| Nominal Inductance |
|--------------------|
| 0.17 µH/ft         |

## Impedance

### Nominal Characteristic Impedance

52 Ohm

## High Frequency (Nominal/Typical)

### Nom. Insertion Loss

10 dB/100m

## Delay

### Nominal Velocity of Propagation (VP) [%]

66 %

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C (10C temperature rise): 2.3 A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 60°C           |
| Operating Temp Range: | -20°C To +75°C |

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 17 lbs/1000ft |
| Max Recommended Pulling Tension: | 42 lbs        |
| Min Bend Radius/Minor Axis:      | 1.75 in       |

## Standards

|                          |     |
|--------------------------|-----|
| NEC Articles:            | 800 |
| NEC/(UL) Specification:  | CM  |
| CEC/C(UL) Specification: | CM  |
| CPR Euroclass:           | Eca |

## 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 II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

## Flammability, LS0H, Toxicity Testing

|                    |                     |
|--------------------|---------------------|
| UL Flammability:   | UL1685 (UL Loading) |
| UL voltage rating: | 300 V RMS           |

## Plenum/Non-Plenum

|                |                     |
|----------------|---------------------|
| Plenum (Y/N):  | No                  |
| Plenum Number: | 82723, 87723, 88723 |

## Part Number

**Variants**

| Item #        | Color  | Footnote |
|---------------|--------|----------|
| 8723.001000   | Chrome |          |
| 8723.0030     | Chrome |          |
| 8723.00U152   | Chrome |          |
| 8723.00U305   | Chrome |          |
| 8723.01152    | Chrome |          |
| 8723.011524   | Chrome |          |
| 8723.013048   | Chrome |          |
| 8723.01305    | Chrome |          |
| 8723.013050   | Chrome |          |
| 8723.01610    | Chrome |          |
| 8723.02500    | Chrome |          |
| 8723 060100   | Chrome |          |
| 8723 0601000  | Chrome | C        |
| 8723 06010000 | Chrome | C Y      |
| 8723 06010001 | Chrome | C        |
| 8723 06015000 | Chrome |          |
| 8723 0601640  | Chrome |          |
| 8723 0602000  | Chrome | C        |
| 8723 0603280  | Chrome | C        |
| 8723 060500   | Chrome |          |
| 8723 0605000  | Chrome | C        |
| 8723 0609999  | Chrome | C Y      |
| 8723 060U1000 | Chrome |          |
| 8723 060U2000 | Chrome |          |
| 8723 060U500  | Chrome |          |

|           |   |
|-----------|---|
| Footnote: | C - CRATE REEL PUT-UP.  |
| Footnote: | Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |

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