



**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 | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 2               | 22 AWG | 7x30      | TC - Tinned Copper |

#### Insulation

| Element | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code                 |
|---------|--------------------|--------------------|--------------------------|----------------------------|
| Pair(s) | PP - Polypropylene | 0.009 in (0.23 mm) | 0.046 in (1.2 mm)        | Black & Red, Green & White |

#### Inner Shield

| 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                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.020 in (0.51 mm) | 0.160 in (4.06 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.160 in (4.06 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR           | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Inductance        | Nom. Velocity of Prop. | Max. Current                   |
|---------|--------------------|---------------------------------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|------------------------|--------------------------------|
| Pair(s) | 18.2 Ohm/1000ft    | 18.38 Ohm/1000ft (60.30 Ohm/km) | 33 pF/ft (110 pF/m)           | 62 pF/ft (200 pF/m)                             | 52 Ohm                        | 0.17 µH/ft (0.56 µH/m) | 66%                    | 2.8 Amps per Conductor at 25°C |

#### High Frequency (Nominal/Typical)

| Nom. Insertion Loss (Attenuation) |
|-----------------------------------|
| 10 dB/100m                        |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

| UL Temperature | Operating |
|----------------|-----------|
|----------------|-----------|

|      |                |
|------|----------------|
| 60°C | -20°C to +75°C |
|------|----------------|

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.6 in (41 mm)  | 1.6 in (41 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 42 lbs (19 kg) |
| Bulk Cable Weight: | 17 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                                                                    |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, IEC 60332-1-2                                                                                        |
| CPR Compliance:                  | CPR Euroclass: Eca; CPR UKCA Class: Eca                                                                                   |
| NEC / UL Compliance:             | Article 800, CM                                                                                                           |
| CEC / C(UL) Compliance:          | CM                                                                                                                        |
| 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) |
| UK Regulation Compliance:        | UKCA Mark                                                                                                                 |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                                                                           |
| Plenum Number:                   | 82723, 87723, 88723                                                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.575 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length    | UPC/EAN       | Footnote |
|---------------|--------|------------|-----------|---------------|----------|
| 8723.0030     | Chrome | Reel       | 30 m      | 8719605018571 |          |
| 8723 060100   | Chrome | Reel       | 100 ft    | 612825214441  |          |
| 8723.00100    | Chrome | Reel       | 100 m     | 8719605159229 |          |
| 8723.00U152   | Chrome | UnReel     | 152 m     | 8719605018588 |          |
| 8723.01152    | Chrome | Reel       | 152 m     | 8719605018601 |          |
| 8723.00U305   | Chrome | UnReel     | 305 m     | 8719605018595 |          |
| 8723.01305    | Chrome | Reel       | 305 m     | 8719605018632 |          |
| 8723 060500   | Chrome | Reel       | 500 ft    | 612825214526  |          |
| 8723 060U500  | Chrome | UnReel     | 500 ft    | 612825214434  |          |
| 8723.02500    | Chrome | Reel       | 500 m     | 8719605018663 |          |
| 8723.01610    | Chrome | Reel       | 610 m     | 8719605018656 |          |
| 8723 0601000  | Chrome | Reel       | 1,000 ft  | 612825214458  | C        |
| 8723 060U1000 | Chrome | UnReel     | 1,000 ft  | 612825214410  |          |
| 8723.001000   | Chrome | Reel       | 1,000 m   | 8719605018564 |          |
| 8723.011524   | Chrome | Reel       | 1,524 m   | 8719605018618 |          |
| 8723 0601640  | Chrome | Reel       | 1,640 ft  | 612825214496  |          |
| 8723 0602000  | Chrome | Reel       | 2,000 ft  | 612825214502  | C        |
| 8723 060U2000 | Chrome | Reel       | 2,000 ft  | 612825214427  |          |
| 8723.013048   | Chrome | Reel       | 3,048 m   | 8719605018625 |          |
| 8723.013050   | Chrome | Reel       | 3,050 m   | 8719605018649 |          |
| 8723 0603280  | Chrome | Reel       | 3,280 ft  | 612825214519  | C        |
| 8723 0605000  | Chrome | Reel       | 5,000 ft  | 612825214533  | C        |
| 8723 06010000 | Chrome | Reel       | 10,000 ft | 612825214465  | C Y      |
| 8723 06010001 | Chrome | Reel       | 10,000 ft | 612825214472  | C        |
| 8723 0609999  | Chrome | Reel       | 10,000 ft | 612825214540  | C Y      |
| 8723 06015000 | Chrome | Reel       | 15,000 ft | 612825214489  |          |

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