



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 | 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 Impedance | 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 | 66% | 2.8 Amps per Conductor at 25°C |

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: 0.572 Revision Date: 04-19-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC/EAN |
|---------------|--------|------------|-----------|---------------|
| 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 |
| 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 |
| 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 |
| 8723.0605000 | Chrome | Reel | 5,000 ft | 612825214533 |
| 8723.06010000 | Chrome | Reel | 10,000 ft | 612825214465 |
| 8723.06010001 | Chrome | Reel | 10,000 ft | 612825214472 |
| 8723.0609999 | Chrome | Reel | 10,000 ft | 612825214540 |
| 8723.06015000 | Chrome | Reel | 15,000 ft | 612825214489 |

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