



**Product:** [8722](#)

Audio, Control and Instrumentation Cable, 2 Pr #20 Str TC, 1 Pr Shielded, 1 Pr Unshielded, PVC Jkt, CMG

**Product Description**

Audio, Control & Instrumentation Cable, 2 Pair 20 AWG (7 x 28) Tinned Copper, PVC Insulation, 1 Pair (Red & Black) Beldfoil® Shield, 1 Pair (Green & White) Unshielded, PVC Jacket, CMG

**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) | 1               | 20 AWG | 7x28      | TC - Tinned Copper |
| Pair(s) | 1               | 20 AWG | 7x28      | TC - Tinned Copper |

**Insulation**

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.070 in (1.8 mm)        | Red & Black   |
| Pair(s) | PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.070 in (1.8 mm)        | Green & White |

**Inner Shield**

| Element | Shield Type | Material                | Coverage | Drainwire Type   |
|---------|-------------|-------------------------|----------|------------------|
| Pair(s) | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |
| Pair(s) |             | No Shield               |          |                  |

**Outer Jacket**

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.028 in (0.71 mm) | 0.231 in (5.87 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.231 in (5.87 mm) |
|-----------------------------------|--------------------|

**Electrical Characteristics**

**Electricals**

| Element      | Nom. Conductor DCR        | Nom. Inner Shield DCR           | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|---------------------------|---------------------------------|-------------------------------|---|--------------------------------|
| Pair(s)      | 11.3 Ohm/1000ft           | 11.54 Ohm/1000ft (37.86 Ohm/km) | 60 pF/ft (200 pF/m)           | 99 pF/ft (320 pF/m)                             | 6.08 Amps per conductor @ 25°C |
| Conductor(s) | 10 Ohm/1000ft (33 Ohm/km) |                                 |                               |   | 6.08 Amps per conductor @ 25°C |

**Voltage**

| UL Voltage Rating |
|-------------------|
| 300 V             |

**Mechanical Characteristics**

**Temperature**

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

|      |                |
|------|----------------|
| 80°C | -20°C to +80°C |
|------|----------------|

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.3 in (58 mm)  | 2.3 in (58 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 63 lbs (29 kg) |
| Bulk Cable Weight: | 33 lbs/1000ft  |

Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor  |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, IEEE 1202, IEC 60332-1-2   |
| CPR Compliance:                  | CPR Euroclass: Eca  |
| NEC / UL Compliance:             | Article 800, CMG  |
| CEC / C(UL) Compliance:          | CMG   |
| 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)   |

Product Notes

|        |  |
|--------|--|
| Notes: | Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable. |
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History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.432 Revision Date: 12-22-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length   | UPC          | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8722 060500   | Chrome | Reel       | 500 ft   | 612825214373 | C        |
| 8722 060U500  | Chrome | UnReel     | 500 ft   | 612825214571 |          |
| 8722 0601000  | Chrome | Reel       | 1,000 ft | 612825214403 | C        |
| 8722 060U1000 | Chrome | UnReel     | 1,000 ft | 612825214380 |          |

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