



Product: [9402](#)

Audio, Control & Instrument, #20-2pr, SR-PVC, Individ. Foil, PVC Jkt, CMG

Product Description

Audio, Control & Instrument Cable, 2 Pair, 20 AWG stranded (7x28) tinned copper conductors, semi-rigid PVC insulation, individually shielded pairs with Beldfoil® (100% coverage), 22 AWG stranded tinned copper drain wire, overall 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               | 20 AWG | 7x28      | TC - Tinned Copper |

Insulation

| Element | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                 |
|---------|------------------------------------------|--------------------|--------------------------|----------------------------|
| Pair(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.058 in (1.5 mm)        | Red & Black, Green & White |

Inner Shield

| Element | Shield Type | Material                | Coverage | Drainwire Type    | Notes     |
|---------|-------------|-------------------------|----------|-------------------|-----------|
| Pair(s) | Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (19x34) TC | each pair |

Outer Jacket

| Separator      | Material                 | Nom. Thickness    | Nom. Diameter      |
|----------------|--------------------------|-------------------|--------------------|
| Polyester Tape | PVC - Polyvinyl Chloride | 0.041 in (1.0 mm) | 0.300 in (7.62 mm) |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.300 in (7.62 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) | 55 pF/ft (180 pF/m)           | 95 pF/ft (310 pF/m)                             | 3.8 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating                |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 80°C           | -20°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 3.0 in (76 mm)  | 3.0 in (76 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 60 lbs (27 kg) |
| Bulk Cable Weight: | 49 lbs/1000ft  |

Standards and Compliance

|                                  |                          |
|----------------------------------|--------------------------|
| Environmental Suitability:       | Indoor                   |
| Sustainability:                  | CA Prop 65               |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4 |
| CPR Compliance:                  | CPR Euroclass: Eca       |
| NEC / UL Compliance:             | Article 800, CMG         |
| AWM Compliance:                  | AWM 2464                 |
| CEC / C(UL) Compliance:          | CMG                      |
| European Directive Compliance:   | EU CE Mark               |
| UK Regulation Compliance:        | UKCA Mark                |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.547 Revision Date: 12-22-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC/EAN       | Footnote |
|--------------|--------|------------|----------|---------------|----------|
| 9402.00305   | Chrome | Reel       | 305 m    | 8719605020512 |          |
| 9402 060U500 | Chrome | UnReel     | 500 ft   | 612825239987  |          |
| 9402 0601000 | Chrome | Reel       | 1,000 ft | 612825239994  | C        |
| 9402 0605000 | Chrome | Reel       | 5,000 ft | 612825240006  |          |

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