



**Product:** [9305](#)

Audio, Control & Instrument, #22-4pr, PVC, O/A Foil, PVC Jkt, CMG

**Product Description**

Audio, Control & Instrument Cable, 22 AWG solid tinned copper conductors, PVC insulation, 4 twisted pairs, overall Beldfoil® shield (100% coverage), 22 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) | 4               | 22   | Solid     | TC - Tinned Copper |

**Insulation**

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                              |
|--------------------------|--------------------|--------------------------|---------------------------------------------------------|
| PVC - Polyvinyl Chloride | 0.011 in (0.28 mm) | 0.051 in (1.3 mm)        | Black & Red, Black & White, Black & Green, Black & Blue |

**Outer Shield**

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 22 AWG (7x30) TC |

**Outer Jacket**

| Material                 | Nom. Thickness     | Nom. Diameter      |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.032 in (0.81 mm) | 0.265 in (6.73 mm) |

**Electrical Characteristics**

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                    |
|--------------------|-------------------------------|-------------------------------------------------|---------------------------------|
| 20.6 Ohm/1000ft    | 35 pF/ft (110 pF/m)           | 50 pF/ft (160 pF/m)                             | 2.03 Amps per Conductor at 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. |
|-------------------|-------------------|
| 2.65 in (67.3 mm) | 2.65 in (67.3 mm) |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 62.4 lbs (28.3 kg) |
|--------------------|--------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 41 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4, IEC 60332-1-2                                       |
| 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, 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)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.437 Revision Date: 12-22-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length   | UPC          | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 9305 060100   | Chrome | Reel       | 100 ft   | 612825227397 |          |
| 9305 060500   | Chrome | Reel       | 500 ft   | 612825227410 | C        |
| 9305 060U500  | Chrome | UnReel     | 500 ft   | 612825227380 |          |
| 9305 0601000  | Chrome | Reel       | 1,000 ft | 612825227403 |          |
| 9305 060U1000 | Chrome | UnReel     | 1,000 ft | 612825227373 |          |
| 9305 0605000  | Chrome | Reel       | 5,000 ft | 612825227427 | C        |

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