



Product: [8766](#)

Audio, Control & Instrument, #22-15pr, PVC, Indv. Foil, PVC Jkt, CMG

Product Description

Audio, Control & Instrument Cable, 22 AWG solid conductors, PVC insulation, tinned copper, twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG solid 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) | 15              | 22   | Solid     | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|--------------------------|--------------------|--------------------------|--|
| PVC - Polyvinyl Chloride | 0.013 in (0.33 mm) | 0.052 in (1.3 mm)        | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green, Red & Blue, Red & Yellow, Red & Brown, Red & Orange, Green & White, Green & Blue |

Inner Shield

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

Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter |
|--------------------------|-------------------|---------------|
| PVC - Polyvinyl Chloride | 0.045 in (1.1 mm) | 0.525 in      |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR         | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|-------------------------------|---|--------------------------------|
| 20.6 Ohm/1000ft    | 11.9 Ohm/1000ft (39.0 Ohm/km) | 40 pF/ft (130 pF/m)           | 77 pF/ft (250 pF/m)                             | 1.4 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. |
|------------------|-------------------|
| 5.25 in (133 mm) | 5.25 in           |

|                    |                  |
|--------------------|------------------|
| Max. Pull Tension: | 234 lbs (106 kg) |
| Bulk Cable Weight: | 173 lbs/1000ft   |

Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4  |
| NEC / UL Compliance:             | Article 800, CMG, MPG  |
| AWM Compliance:                  | AWM 2464   |
| CEC / C(UL) Compliance:          | CMG, MPG   |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)  |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.334 Revision Date: 12-22-2023 |
|----------------------|--|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 8766 0601000 | Chrome | Reel       | 1,000 ft | 612825215462 | C        |

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