



Product: [9302](#)

Audio, Control & Instrument, #22-2pr, PVC, O/A Foil, PVC Jkt, CMG

Product Description

Audio, Control & Instrument Cable, 22 AWG solid tinned copper conductors, PVC insulation, 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 | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 2 | 22 AWG | Solid | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|----------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.013 in (0.33 mm) | 0.052 in (1.3 mm) | Black & Red, Black & White |

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) | 0.244 in (6.20 mm) |

Overall Cable Diameter (Nominal): 0.244 in (6.20 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) | 4.8 Amps per Conductor at 30°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. |
|-------------------|-------------------|
| 2.44 in (62.0 mm) | 2.44 in (62.0 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 40.3 lbs (18.3 kg) |
| Bulk Cable Weight: | 27 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| 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: 0.425 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|--------|------------|----------|--------------|
| 9302 060500 | Chrome | Reel | 500 ft | 612825227274 |
| 9302 060U500 | Chrome | UnReel | 500 ft | 612825227250 |
| 9302 0601000 | Chrome | Reel | 1,000 ft | 612825227267 |
| 9302 060U1000 | Chrome | UnReel | 1,000 ft | 612825227243 |
| 9302 0605000 | Chrome | Reel | 5,000 ft | 612825227281 |

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