



Product: [8737](#)

Audio Cable, #22-1pr, TC, O/A Braid, CM

Product Description

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pair, tinned copper spiral wrapped shield (85% coverage), 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

| Size | Stranding | Material           |
|------|-----------|--------------------|
| 22   | 7x30      | TC - Tinned Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code  |
|--------------------------|--------------------|--------------------------|-------------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.06 in (1.5 mm)         | Black & Red |

Outer Shield

| Shield Type           | Material           | Coverage |
|-----------------------|--------------------|----------|
| Spiral Serve / Screen | Tinned Copper (TC) | 85%      |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter |
|--------------------------|--------------------|---------------|
| PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.18 in       |

Electrical Characteristics

Electricals

| Nom. Conductor DCR        | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current                 |
|---------------------------|-------------------------------|-------------------------------------------------|-------------------------------|------------------------|------------------------------|
| 16 Ohm/1000ft (52 Ohm/km) | 40 pF/ft (130 pF/m)           | 70 pF/ft (230 pF/m)                             | 49 Ohm                        | 66%                    | 3 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 20 lbs (9.1 kg)          |
| Bulk Cable Weight: | 18 lbs/1000ft (27 kg/km) |

Standards and Compliance

|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor                                                                                      |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, 1202                                                                                            |
| CPR Compliance:                  | CPR Euroclass: Eca                                                                                                        |
| NEC / UL Compliance:             | CMG                                                                                                                       |
| AWM Compliance:                  | AWM 2095 (300 V 80°C)                                                                                                     |
| 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)                                                                                           |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.421 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length   | UPC          | Footnote |
|---------------|--------|------------|----------|--------------|----------|
| 8737 060500   | Chrome | Reel       | 500 ft   | 612825214847 |          |
| 8737 060U500  | Chrome | UnReel     | 500 ft   | 612825215103 |          |
| 8737 0601000  | Chrome | Reel       | 1,000 ft | 612825214830 | C        |
| 8737 060U1000 | Chrome | UnReel     | 1,000 ft | 612825214816 |          |
| 8737 0605000  | Chrome | Reel       | 5,000 ft | 612825214809 | C        |

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