

# Product: 5100UP

Audio Cable, 2 Conductor 14 AWG, BC, Unshielded, CL3

## Product Description

Audio Cable, Rated-CL3, 2-14 AWG highly flexible stranded bare copper conductors with PVC insulation, PVC jacket with ripcord

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 2 | 14 AWG | 42x30 | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.020 in (0.51 mm) | 0.115 in (2.92 mm) | Black, White |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.018 in (0.46 mm) | 0.266 in (6.76 mm) | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.266 in (6.76 mm) |

### Electrical Characteristics

**Electricals**

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|---|
| Conductor(s) | 2.42 Ohm/1000ft | 29 pF/ft (95 pF/m) | 25 Amps per conductor @ 30°C |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CL3) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 75°C | -20°C to +75°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.7 in (69 mm) | 2.7 in (69 mm) |

| | |
|---|---|
| Max. Pull Tension: | 106.6 lbs (48.35 kg) |
| Bulk Cable Weight: | 39 lbs/1000ft |

### Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Flammability / Reaction to Fire: | UL 1685 UL loading , IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 725, CL3 |
| 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: 0.491 Revision Date: 02-15-2024 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 5100UP 010500 | Black | Reel | 500 ft | 612825156529 | |
| 5100UP 010U500 | Black | UnReel | 500 ft | 612825433484 | |
| 5100UP 0101000 | Black | Reel | 1,000 ft | 612825156550 | C |
| 5100UP 010U1000 | Black | UnReel | 1,000 ft | 612825156536 | |
| 5100UP 010Z1000 | Black | ReelTuff Box | 1,000 ft | 612825156611 | |
| 5100UP 008U500 | Gray | UnReel | 500 ft | 612825156505 | |
| 5100UP 0081000 | Gray | Reel | 1,000 ft | 612825156451 | C |
| 5100UP 008U1000 | Gray | UnReel | 1,000 ft | 612825156468 | |
| 5100UP 005500 | Green, Dark | Reel | 500 ft | 612825156413 | |
| 5100UP 005U500 | Green, Dark | UnReel | 500 ft | 612825156475 | |
| 5100UP 0051000 | Green, Dark | Reel | 1,000 ft | 612825156444 | |
| 5100UP 005U1000 | Green, Dark | UnReel | 1,000 ft | 612825156420 | |
| 5100UP 009500 | White | Reel | 500 ft | 612825156482 | |
| 5100UP 009U500 | White | UnReel | 500 ft | 612825156543 | |
| 5100UP 0091000 | White | Reel | 1,000 ft | 612825156512 | |
| 5100UP 009U1000 | White | UnReel | 1,000 ft | 612825156499 | |

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