



Product: [6500UE](#)

Security & Sound, 2 Conductor 22 AWG, BC, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP 2-22 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Noisy Environment |
|------------------------|--|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 22 AWG | 7x30      | BC - Bare Copper |

Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.045 in (1.1 mm)        | Black, Red |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.120 in (3.05 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.120 in (3.05 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                 |
|--------------|--------------------|-------------------------------|------------------------------|
| Conductor(s) | 16.9 Ohm/1000ft    | 55 pF/ft (180 pF/m)           | 6 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating    | Installation |
|----------------|--------------|--------------|
| 75°C           | 0°C to +75°C | 0°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.3 in (33 mm)  | 1.3 in (33 mm)    |

|                    |                 |
|--------------------|-----------------|
| Max. Pull Tension: | 18 lbs (8.2 kg) |
| Bulk Cable Weight: | 8 lbs/1000ft    |

Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Plenum, Indoor  |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2                                |
| CPR Compliance:                  | CPR Euroclass: Eca   |
| NEC / UL Compliance:             | Article 800, CMP   |
| CEC / C(UL) Compliance:          | CMP  |
| 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)  |
| Non-Plenum Number:               | 5500UE   |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.502 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item #          | Color   | Putup Type   | Length   | UPC          |
|-----------------|---------|--------------|----------|--------------|
| 6500UE 8771000  | Natural | Reel         | 1,000 ft | 612825177449 |
| 6500UE 877C1000 | Natural | Coil         | 1,000 ft | 612825340409 |
| 6500UE 877U1000 | Natural | UnReel       | 1,000 ft | 612825420088 |
| 6500UE 877Z1000 | Natural | ReelTuff Box | 1,000 ft | 612825177470 |
| 6500UE 007U1000 | Violet  | UnReel       | 1,000 ft |              |

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