



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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.500 Revision Date: 05-01-2023 |
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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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