



Product: [6502UE](#)

Security & Sound, #22-4c BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 4-22 AWG stranded bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

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

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 4 | 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, White, Green |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.139 in (3.53 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.139 in (3.53 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------|--------------------|-------------------------------|-------------------------------|
| Conductor(s) | 16.1 Ohm/1000ft | 27 pF/ft (89 pF/m) | 2.2 Amps per conductor @ 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.39 in (35.3 mm) | 1.39 in (35.3 mm) |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 36 lbs (16 kg) |
| Bulk Cable Weight: | 15 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor - Plenum, Indoor |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6 |
| CPR Compliance: | CPR Euroclass: Eca |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| 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) |
| Non-Plenum Number: | 5502UE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.433 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|-----------------|---------|--------------|----------|
| 6502UE 8771000 | Natural | 612825177753 | C |
| 6502UE 877500 | Natural | 612825177760 | |
| 6502UE 877C500 | Natural | 612825177722 | |
| 6502UE 877U1000 | Natural | 612825177739 | |
| 6502UE 877U500 | Natural | 612825177746 | |

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