



Product: [6509UE](#)

Security & Sound, #22-12c, BC, CMP

Product Description

Security & Sound Cable, Plenum-CMP 12-22 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) | 12              | 22   | 7x30      | BC - Bare Copper |

Insulation

| Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                     |
|--------------------------|--------------------|--------------------------|--------------------------------------------------------------------------------|
| PVC - Polyvinyl Chloride | 0.008 in (0.20 mm) | 0.047 in (1.2 mm)        | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan |

Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.217 in      | Yes     |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 17.41 Ohm/1000ft   | 27.5 pF/ft (90.2 pF/m)        | 1.4 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.17 in (55.1 mm) | 2.17 in           |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 109 lbs (49.4 kg) |
| Bulk Cable Weight: | 39 lbs/1000ft     |

Standards and Compliance

|                            |         |
|----------------------------|---------|
| Environmental Suitability: | Outdoor |
|----------------------------|---------|

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | NFPA 262 (UL910), 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 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:               | 5509UE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.302 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color   | UPC          | Footnote |
|-----------------|---------|--------------|----------|
| 6509UE 8771000  | Natural | 612825178057 | C        |
| 6509UE 877U1000 | Natural | 612825178040 |          |

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