



**Product:** [6547UE](#)

Security & Sound, #22-9pr, BC, CMP

### Product Description

Security & Sound Cable, Plenum-CMP 9-22 AWG stranded bare copper pairs with Flamarrest® insulation, Flamarrest® jacket with ripcord

### Technical Specifications

#### Product Overview

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

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 22  | 7x30      | BC - Bare Copper | 9            |

|                  |    |
|------------------|----|
| Conductor Count: | 18 |
|------------------|----|

##### Insulation

| Material                 | Material Trade Name | Nominal Wall Thickness |
|--------------------------|---------------------|------------------------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.009 in               |

##### Color Chart

| Color          |
|----------------|
| Black & Red    |
| Black & White  |
| Black & Green  |
| Black & Blue   |
| Black & Yellow |
| Black & Brown  |
| Black & Orange |
| Red & White    |
| Red & Green    |

##### Outer Shield

| Material  |
|-----------|
| No Shield |

##### Outer Jacket

| Material                 | Material Trade Name | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|---------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | Flamarrest®         | 0.318 in         | 0.018 in               | Yes     |

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 16.3 Ohm/1000ft       |

##### Capacitance

|  |
|--|
| <b>Nom. Capacitance Conductor to Conductor</b> |
| 25 pF/ft                                       |

#### Inductance

|                           |
|---------------------------|
| <b>Nominal Inductance</b> |
| 0.17 $\mu$ H/ft           |

#### Current

|                                     |
|-------------------------------------|
| <b>Max. Recommended Current [A]</b> |
| 1.4 Amps per Conductor at 25°C      |

#### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V RMS                |

### Temperature Range

|                              |              |
|------------------------------|--------------|
| Operating Temperature Range: | 0°C To +75°C |
|------------------------------|--------------|

### Mechanical Characteristics

|                              |               |
|------------------------------|---------------|
| Bulk Cable Weight:           | 64 lbs/1000ft |
| Max. Pull Tension:           | 163.8 lbs     |
| Min. Bend Radius/Minor Axis: | 3.2 in        |

### Standards

|                       |     |
|-----------------------|-----|
| NEC/(UL) Compliance:  | CMP |
| CEC/C(UL) Compliance: | CMP |

### Applicable Environmental and Other Programs

|                             |                               |
|-----------------------------|-------------------------------|
| EU Directive Compliance:    | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                 | Yes                           |
| MII Order #39 (China RoHS): | Yes                           |

### Flammability, LSOH, Toxicity Testing

|                    |                                    |
|--------------------|------------------------------------|
| UL Flammability:   | NFPA 262 Plenum Flame Test (UL910) |
| CSA Flammability:  | FT6                                |
| UL voltage rating: | 300 V RMS                          |

### Plenum/Non-Plenum

|               |     |
|---------------|-----|
| Plenum (Y/N): | Yes |
|---------------|-----|

### Related Part Numbers

|                    |        |
|--------------------|--------|
| Non-Plenum Number: | 5547UE |
|--------------------|--------|

#### Variants

| Item #         | Color   | UPC          |
|----------------|---------|--------------|
| 6547UE 8771000 | Natural | 612825178484 |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.282 Revision Date: 05-05-2023 |
|----------------------|--|

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