



**Product:** [6345UE](#) 

Security & Sound, #18-6pr, BC, CMP

## Product Description

Security & Sound Cable, Plenum-CMP, 6-18 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 |
|------------------------|---------------------------------------------------------------------|

### Construction Details

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material         |
|---------|-----------------|--------|-----------|------------------|
| Pair(s) | 6               | 18 AWG | 7x26      | BC - Bare Copper |

#### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                             |
|---------|--------------------------|--------------------|--------------------------|----------------------------------------------------------------------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.063 in (1.6 mm)        | Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown |

#### Outer Shield

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

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.353 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.353 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 6.93 Ohm/1000ft    | 29 pF/ft (95 pF/m)            | 9.8 Amps per Conductor at 30°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. |
|-------------------|-------------------|
| 3.53 in (89.7 mm) | 3.53 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 268.8 lbs (121.9 kg) |
|--------------------|----------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 88 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                      |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6                                                       |
| 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) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |
| Non-Plenum Number:               | 5345UE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.297 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #         | Color   | UPC          |
|----------------|---------|--------------|
| 6345UE 8771000 | Natural | 612825176480 |

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