




**Product:** [6304UE](#) 

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

## Product Description

Security & Sound Cable, Plenum-CMP, 6-18 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      | Number of Element | AWG | Stranding | Material         |
|--------------|-------------------|-----|-----------|------------------|
| Conductor(s) | 6                 | 18  | 7x26      | BC - Bare Copper |

#### Insulation

| Element      | Material                 | Thickness [in.] | Color Code                            |
|--------------|--------------------------|-----------------|---------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.008           | Black, Red, White, Green, Brown, Blue |

#### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in  | 0.216 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.216 in |
|---------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                  |
|--------------|--------------------|-------------------------------|-------------------------------|
| Conductor(s) | 6.5 Ohm/1000ft     | 34 pF/ft                      | 3.5 Amps per conductor @ 25°C |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 2.25 in         | 2.2 in            |

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 134 lbs       |
| Bulk Cable Weight: | 43 lbs/1000ft |

### Standards and Compliance

|                                 |   |
|---------------------------------|---|
| Environmental Suitability:      | Indoor - Plenum, Indoor   |
| Flammability / Fire Resistance: | NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2   |
| NEC / UL Compliance:            | Article 800, CMP  |
| CEC / C(UL) Compliance:         | CMP   |
| CPR Euroclass:                  | Eca   |
| European Directive Compliance:  | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)   |
| Non-Plenum Number:              | 5304UE  |

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.270 Revision Date: 09-30-2020 |
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