



**Product:** [5409UE](#)

Security & Sound, #20-12c, BC, CMR

### Product Description

Security & Sound Cable, Riser-CMR, 12-20 AWG stranded bare copper conductors with polypropylene insulation, PVC 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              | 20   | 7x28      | BC - Bare Copper |

##### Insulation

| Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|--------------------|--------------------|--------------------------|--|
| PP - Polypropylene | 0.008 in (0.20 mm) | 0.062 in (1.6 mm)        | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan |

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.252 in (6.40 mm) | Yes     |

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 10.82 Ohm/1000ft   | 24.7 pF/ft (81.0 pF/m)        | 2.6 Amps per Conductor at 25°C |

##### Voltage

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

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating      |
|----------------|----------------|
| 75°C           | -20°C To +75°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.52 in (64.0 mm) | 2.52 in (64.0 mm) |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 151.2 lbs (68.58 kg) |
| Bulk Cable Weight: | 53 lbs/1000ft        |

#### Standards and Compliance

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

|                                  |  |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL1666 Riser, FT4  |
| NEC / UL Compliance:             | Article 800, CMR   |
| CEC / C(UL) Compliance:          | CMG  |
| 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)  |
| Plenum Number:                   | 6409UE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.405 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #         | Color | UPC          | Footnote |
|----------------|-------|--------------|----------|
| 5409UE 0081000 | Gray  | 612825162315 | C        |

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