




**Product:** [5504UE](#) 

Security & Sound, #22-6c BC, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 6-22 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      | Number of Element | Size   | Stranding | Material         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 6                 | 22 AWG | 7x30      | BC - Bare Copper |

#### Insulation

| Element      | Material           | Nom. Thickness     | Color Code                            |
|--------------|--------------------|--------------------|---------------------------------------|
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | Black, Red, White, Green, Brown, Blue |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.168 in (4.27 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.168 in (4.27 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR            | Nom. Capacitance Cond-to-Cond | Max. Current                |
|--------------|-------------------------------|-------------------------------|-----------------------------|
| Conductor(s) | 16.2 Ohm/1000ft (53.1 Ohm/km) | 17 pF/ft (56 pF/m)            | 2 Amps per conductor @ 25°C |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.7 in (43 mm)  | 1.7 in (43 mm)    |

|                    |                          |
|--------------------|--------------------------|
| Max. Pull Tension: | 55 lbs                   |
| Bulk Cable Weight: | 19 lbs/1000ft (28 kg/km) |

### Standards and Compliance

|                                  |                                  |
|----------------------------------|----------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor           |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4, IEC 60332-1-2 |
| CPR Compliance:                  | CPR Euroclass: Eca               |
| NEC / UL Compliance:             | Article 800, CMR                 |
| CEC / C(UL) Compliance:          | CMG                              |
| European Directive Compliance:   | EU CE Mark                       |
| Plenum Number:                   | 6504UE                           |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.276 Revision Date: 12-15-2021 |
|----------------------|--|

## Variants

| Item #          | Color  | Putup Type | Length  | UPC/EAN       |
|-----------------|--------|------------|---------|---------------|
| 5504UE.00305    | Chrome | Reel       | 305 m   | 8719605008787 |
| 5504UE.001000   | Chrome | Reel       | 1,000 m | 8719605008770 |
| 5504UE 0081000  | Gray   |            |         | 612825163800  |
| 5504UE 008500   | Gray   |            |         | 612825163817  |
| 5504UE 008C500  | Gray   |            |         |               |
| 5504UE 008U1000 | Gray   |            |         | 612825163794  |
| 5504UE 009C500  | White  |            |         | 612825163824  |
| 5504UE 009U1000 | White  |            |         | 612825163831  |
| 5504UE 009U500  | White  |            |         | 612825163848  |

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