



Product: [5541UE](#)

Security & Sound, #22-2pr, BC, CMR

### Product Description

Security & Sound Cable, Riser-CMR, 2-22 AWG stranded bare copper pairs with polyolefin 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         |
|---------|-----------------|--------|-----------|------------------|
| Pair(s) | 2               | 22 AWG | 7x30      | BC - Bare Copper |

##### Insulation

| Element | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code                 |
|---------|--------------------|--------------------|--------------------------|----------------------------|
| Pair(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.045 in (1.1 mm)        | Black & Red, Black & White |

##### Outer Shield

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

##### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.185 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.185 in |
|-----------------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current                   |
|--------------------|-------------------------------|--------------------------------|
| 17.6 Ohm/1000ft    | 18 pF/ft (59 pF/m)            | 4.8 Amps per Conductor at 30°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. |
|-------------------|-------------------|
| 1.85 in (47.0 mm) | 1.85 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 36.4 lbs (16.5 kg) |
|--------------------|--------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 15 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Riser, Indoor   |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4, IEEE 1202 FT4   |
| CPR Compliance:                  | CPR Euroclass: Eca   |
| 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) |
| UK Regulation Compliance:        | UKCA Mark  |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)  |
| Plenum Number:                   | 6541UE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.294 Revision Date: 05-05-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color | UPC          | Footnote |
|-----------------|-------|--------------|----------|
| 5541UE 0081000  | Gray  | 612825164302 | C        |
| 5541UE 008U1000 | Gray  | 612825164296 |          |

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