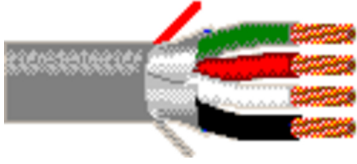


**Part Number: 5502FE**

**Security & Sound, #22-4c, BC, Shielded, CMR**



### Product Description

Security & Sound Cable, Riser-CMR, 4-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material         | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 22  | 7x30      | BC - Bare Copper | 4                 |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 22 AWG |

##### Insulation

| Material           | Nominal Wall Thickness |
|--------------------|------------------------|
| PP - Polypropylene | 0.008 in               |

##### Color Chart

| Color |
|-------|
| Black |
| Red   |
| White |
| Green |

##### Outer Shield Material

| Type | Material           | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|--------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum/Polyester | Beldfoil®           | 100 %        | TC - Tinned Copper | 24            | Solid                        |

##### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.145            | 0.017 in               | Yes     |

#### Construction and Dimensions

##### Cabling

| Lay Direction | Twists       |
|---------------|--------------|
| Left Hand     | 4.8 twist/ft |

Print Legend: NEW GENERATION(R) BY BELDEN 5502FE CMR 75C 4C22 SHIELDED (UL) E108998 OR C(UL) CMG---FT4 (2 FT., 7 DIGIT SEQUENTIAL) FEET

#### Electrical Characteristics

##### Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 16.4 Ohm/1000ft       | 16.1 Ohm/1000ft          |

##### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 22.5 pF/ft                              | 40.5 pF/ft  |

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

## Current

### Max. Recommended Current [A]

Per conductor @ 25°C: 2.2 A

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

|                       |                |
|-----------------------|----------------|
| UL Temp Rating:       | 75°C           |
| Operating Temp Range: | -20°C To +75°C |

## Mechanical Characteristics

|                                  |               |
|----------------------------------|---------------|
| Bulk Cable Weight:               | 17 lbs/1000ft |
| Max Recommended Pulling Tension: | 42 lbs        |
| Min Bend Radius/Minor Axis:      | 1.375 in      |

## Standards

|                          |     |
|--------------------------|-----|
| NEC Articles:            | 800 |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass:           | Eca |

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

## Flammability, LS0H, Toxicity Testing

|                    |              |
|--------------------|--------------|
| UL Flammability:   | UL1666 Riser |
| CSA Flammability:  | FT4          |
| UL voltage rating: | 300 V RMS    |

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Part Number

### Variants

| Item #          | Color | Footnote |
|-----------------|-------|----------|
| 5502FE.00152    | Gray  |          |
| 5502FE.00305    | Gray  |          |
| 5502FE.00U305   | Gray  |          |
| 5502FE 0081000  | Gray  | C        |
| 5502FE 008500   | Gray  |          |
| 5502FE 008C500  | Gray  |          |
| 5502FE 008U1000 | Gray  |          |
| 5502FE 008U500  | Gray  |          |

Footnote: C - CRATE REEL PUT-UP.

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