



**Product:** [5502FE](#)

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

### Product Description

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

### Technical Specifications

#### Product Overview

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment |
|------------------------|----------------------------------------------------------------------------------------|

#### Construction Details

##### Conductor

| Element      | Number of Element | AWG | Stranding | Material         |
|--------------|-------------------|-----|-----------|------------------|
| Conductor(s) | 4                 | 22  | 7x30      | BC - Bare Copper |

##### Insulation

| Element      | Material           | Thickness | Color Code               |
|--------------|--------------------|-----------|--------------------------|
| Conductor(s) | PP - Polypropylene | 0.008 in  | Black, Red, White, Green |

##### Outer Shield Material

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

##### Outer Jacket Material

| Material                 | Thickness | Nom. Diameter | Ripcord |
|--------------------------|-----------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in  | 0.145 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.145 in |
|---------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                  |
|--------------|--------------------|-------------------------------|-------------------------------------------------|-------------------------------|
| Conductor(s) | 16.4 Ohm/1000ft    | 22.5 pF/ft                    | 40.5 pF/ft                                      | 2.2 Amps per conductor @ 25°C |

|                       |                 |
|-----------------------|-----------------|
| Nom Outer Shield DCR: | 16.1 Ohm/1000ft |
|-----------------------|-----------------|

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V (CMR)              |

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

|                        |                          |
|------------------------|--------------------------|
| <b>Stationary Min.</b> | <b>Installation Min.</b> |
|------------------------|--------------------------|

|          |        |
|----------|--------|
| 1.375 in | 1.5 in |
|----------|--------|

|                    |               |
|--------------------|---------------|
| Max. Pull Tension: | 42 lbs        |
| Bulk Cable Weight: | 16 lbs/1000ft |

## Standards and Compliance

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

## History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.290 Revision Date: 09-30-2020 |
|----------------------|--------------------------------------------------|

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