



**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 | Size   | Stranding | Material         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 4                 | 22 AWG | 7x30      | BC - Bare Copper |

#### Insulation

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

#### Outer Shield

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

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter      | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.145 in (3.68 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.145 in (3.68 mm) |
|-----------------------------------|--------------------|

### Electrical Characteristics

#### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                  |
|--------------|--------------------|-------------------------------|-------------------------------------------------|-------------------------------|
| Conductor(s) | 16.9 Ohm/1000ft    | 22.5 pF/ft (73.8 pF/m)        | 40.5 pF/ft (133 pF/m)                           | 4.8 Amps per Conductor @ 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. |
|-----------------|-------------------|
| 1.5 in (38 mm)  | 1.5 in (38 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 42 lbs (19 kg) |
| Bulk Cable Weight: | 16 lbs/1000ft  |

Standards and Compliance

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Environmental Suitability:       | Indoor - Riser, Indoor                      |
| Flammability / Reaction to Fire: | UL 1666 Riser, IEEE 1202 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                                  |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.420 Revision Date: 06-30-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type | Length | UPC/EAN       |
|-----------------|-------|------------|--------|---------------|
| 5502FE 0081000  | Gray  |            |        | 612825163299  |
| 5502FE 008500   | Gray  |            |        | 612825163305  |
| 5502FE 008C500  | Gray  |            |        |               |
| 5502FE 008U1000 | Gray  |            |        | 612825163275  |
| 5502FE 008U500  | Gray  |            |        | 612825163282  |
| 5502FE.00152    | Gray  | Reel       | 152 m  | 8719605008671 |
| 5502FE.00305    | Gray  | Reel       | 305 m  | 8719605008688 |
| 5502FE.00U305   | Gray  | Reel       | 305 m  | 8719605008695 |

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