



**Product:** [5202FE](#) 

Security & Sound, #16-4c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 4-16 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                 | 16  | 19x29     | 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  | 0.214 in      | Yes     |

|                           |          |
|---------------------------|----------|
| Cable Diameter (Nominal): | 0.214 in |
|---------------------------|----------|

### Electrical Characteristics

#### Electricals

| Element               | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                  |
|-----------------------|--------------------|-------------------------------|-------------------------------------------------|-------------------------------|
| Conductor(s)          | 4 Ohm/1000ft       | 30.5 pF/ft                    | 55 pF/ft                                        | 5.0 Amps per conductor @ 25°C |
| Nom Outer Shield DCR: | 14.4 Ohm/1000ft    |                               |                                                 |                               |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
|-----------------|-------------------|

|                    |               |
|--------------------|---------------|
| 2.125 in           | 2.1 in        |
| Max. Pull Tension: | 146 lbs       |
| Bulk Cable Weight: | 44 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, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                | China RoHS II (GB/T 26572-2011)                                                                         |
| Plenum Number:                  | 6202FE                                                                                                  |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.250 Revision Date: 09-30-2020 |
|----------------------|--------------------------------------------------|

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