



**Product:** [5342FE](#)

Security & Sound, #18-3pr, BC, Shielded, CMR

### Product Description

Security & Sound Cable, Riser-CMR, 3-18 AWG stranded bare copper pairs with polyolefin 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         |
|---------|-------------------|------|-----------|------------------|
| Pair(s) | 3                 | 18   | 7x26      | BC - Bare Copper |

##### Insulation

| Material           | Nom. Thickness      | Nom. Insulation Diameter | Color Code                                |
|--------------------|---------------------|--------------------------|---|
| PP - Polypropylene | 0.0085 in (0.22 mm) | 0.062 in (1.6 mm)        | Black & Red, Black & White, Black & 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) | 0.267 in (6.78 mm) | Yes     |

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|---|--------------------------------|
| 6.93 Ohm/1000ft    | 29 pF/ft (95 pF/m)            | 52.4 pF/ft (172 pF/m)                           | 3.5 Amps per Conductor at 25°C |

##### Voltage

| UL Voltage Rating |
|-------------------|
| 300 V             |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating       |
|----------------|-----------------|
| 75°C           | -20°C To +105°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.67 in (67.8 mm) | 2.67 in (67.8 mm) |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 147 lbs (66.7 kg) |
|--------------------|-------------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 46 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL 1666 riser, 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, 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:                   | 6342FE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.413 Revision Date: 01-20-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #         | Color | UPC          |
|----------------|-------|--------------|
| 5342FE 0081000 | Gray  | 612825161240 |

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