



Product: [5542FE](#)

Security & Sound, #22-3pr, BC, Shielded, CMR

**Product Description**

Security & Sound Cable, Riser-CMR, 3-22 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 | No. of Elements | Size | Stranding | Material         |
|---------|-----------------|------|-----------|------------------|
| Pair(s) | 3               | 22   | 7x30      | BC - Bare Copper |

Insulation

| Material        | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                |
|-----------------|--------------------|--------------------------|-------------------------------------------|
| PO - Polyolefin | 0.008 in (0.20 mm) | 0.045 in (1.1 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) | 0.189 in (4.80 mm) | Yes     |

**Electrical Characteristics**

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------------|-------------------------------|-------------------------------------------------|------------------------------|
| 17.6 Ohm/1000ft    | 24 pF/ft (79 pF/m)            | 43.25 pF/ft (141.9 pF/m)                        | 2 Amps per Conductor at 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. |
|-------------------|-------------------|
| 1.89 in (48.0 mm) | 1.89 in (48.0 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 60 lbs (27 kg) |
|--------------------|----------------|

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 23 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Flammability / Reaction to Fire: | UL 1666 riser, FT4                                                           |
| 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) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |
| Plenum Number:                   | 6542FE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.416 Revision Date: 02-03-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | UPC          |
|-----------------|-------|--------------|
| 5542FE 0081000  | Gray  | 612825164333 |
| 5542FE 008U1000 | Gray  | 612825164326 |

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