



**Product:** [5500FE](#) 

Security & Sound, 2 Conductor 22 AWG, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 2-22 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, Noisy Environment |
|------------------------|----------------------------------------------------------------|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 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 |

#### 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) | 0.126 in (3.20 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.126 in (3.20 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    | 34.5 pF/ft (113 pF/m)         | 62 pF/ft (200 pF/m)                             | 6 Amps per Conductor at 25°C |
| Nom Outer Shield DCR@Cond DCR1-cnvt: |                    | 16.1 Ohm/1000ft (52.8 Ohm/km) |                                                 |                              |

#### 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. |
|-----------------|-------------------|
| 1.3 in (33 mm)  | 1.3 in (33 mm)    |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 23.7 lbs (10.8 kg) |
| Bulk Cable Weight: | 10 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; CPR UKCA Class: 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:                   | 6500FH                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.552 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type   | Length   | UPC/EAN       |
|-----------------|-------|--------------|----------|---------------|
| 5500FE 010U1000 | Black | UnReel       | 1,000 ft | 612825423867  |
| 5500FE 010Z1000 | Black | ReelTuff Box | 1,000 ft | 612825162841  |
| 5500FE.00152    | Gray  | Reel         | 152 m    | 8719605008558 |
| 5500FE.00305    | Gray  | Reel         | 305 m    | 8719605008565 |
| 5500FE.00U305   | Gray  | Reel         | 305 m    | 8719605008572 |
| 5500FE 008500   | Gray  | Reel         | 500 ft   | 612825162773  |
| 5500FE 008U500  | Gray  | UnReel       | 500 ft   | 612825423836  |
| 5500FE 0081000  | Gray  | Reel         | 1,000 ft | 612825162803  |
| 5500FE 008U1000 | Gray  | UnReel       | 1,000 ft | 612825162780  |
| 5500FE 008Z1000 | Gray  | ReelTuff Box | 1,000 ft | 612825162810  |
| 5500FE 009U1000 | White | UnReel       | 1,000 ft | 612825423850  |
| 5500FE 009Z1000 | White | ReelTuff Box | 1,000 ft | 612825162827  |

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