

# Part Number: 5500FE

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

## Product Description

Security & Sound Cable, Riser-CMR, 2-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

## Technical Specifications

### Product Overview

| | |
|---|---|
| Environmental Space: | Indoor - Riser |
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |

### Physical Characteristics (Overall)

**Conductor**

| AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|
| 22 | 7x30 | BC - Bare Copper | 2 |

| | |
|---|---|
| Conductor Count: | 2 |
| Conductor Size: | 22 AWG |

**Insulation**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PP - Polypropylene | 0.045 in | 0.008 in |

**Color Chart**

| Number | Color |
|---|---|
| 1 | Black |
| 2 | Red |

**Outer Shield Material**

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|---|---|---|---|---|---|---|
| Tape | Aluminum/Polyester | Beldfoil® | 100 % | TC - Tinned Copper | 24 | Solid |

**Outer Jacket Material**

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.126 in | 0.017 in | Yes |

### Construction and Dimensions

**Cabling**

| Lay Direction | Twists |
|---|---|
| Left Hand | 4.8 twist/ft |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|---|---|
| 16.1 Ohm/1000ft | 16.1 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 34.5 pF/ft | 62 pF/ft |

**Current**

| Element | Max. Recommended Current [A] |
|---|---|
| 10C Temperature Rise | 2.8 Amps per conductor @ 25°C A |

| | |
|---|---|
| Current Table Note: | 10C Temperature Rise |

**Voltage**

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

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 75°C |
| Operating Temp Range: | -20°C To +75°C |

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 10.0 lbs/1000ft |
| Max Recommended Pulling Tension: | 23.7 lbs |
| Min Bend Radius/Minor Axis: | 1.5 in |

## Standards

| | |
|---|---|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMR |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass: | Eca |

## Applicable Environmental and Other Programs

| | |
|---|---|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

## Suitability

| | |
|---|---|
| Suitability - Aerial: | No |
| Suitability - Burial: | No |
| Suitability - Hazardous Locations: | No |
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | No |
| Suitability - Sunlight Resistance: | No |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| C(UL) Flammability: | FT4 |
| UL Flammability: | UL1666 Riser |
| UL voltage rating: | 300 V RMS |

## Plenum/Non-Plenum

| | |
|---|---|
| Plenum (Y/N): | No |
| Plenum Number: | 6500FH |

## Part Number

**Variants**

| Item # | Color |
|---|---|
| 5500FE 010U1000 | Black |

| | |
|---|---|
| 5500FE 010Z1000 | Black |
| 5500FE 010Z1000 | Black |
| 5500FE.00153 | Chrome |
| 5500FE.00152 | Gray |
| 5500FE.00305 | Gray |
| 5500FE.00U305 | Gray |
| 5500FE 0081000 | Gray |
| 5500FE 008500 | Gray |
| 5500FE 008U1000 | Gray |
| 5500FE 008U500 | Gray |
| 5500FE 008Z1000 | Gray |
| 5500FE 008Z1000 | Gray |
| 5500FE 009U1000 | White |
| 5500FE 009Z1000 | White |
| 5500FE 009Z1000 | White |

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