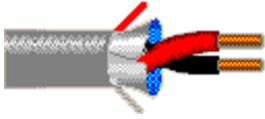




Product: [5520FE](#)



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

## Product Description

Security & Commercial Audio Cable, 2 Conductor 22 AWG solid bare copper conductors with polyolefin insulation, Beldfoil® shield, Riser, PVC jacket with ripcord.

## Technical Specifications

### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|--|

### Construction Details

#### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 22 AWG | Solid     | BC - Bare Copper |

#### Insulation

| Element      | Material           | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|------------|
| Conductor(s) | PP - Polypropylene | 0.007 in (0.18 mm) | 0.040 in (1.0 mm)        | Black, Red |

#### Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type    |
|-------------|-------------------------|----------|-------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (Solid) TC |

#### Outer Jacket

| Material                 | Nom. Thickness     | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.118 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.118 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------------|-------------------------------|---|--------------------------------|
| 18.4 Ohm/1000ft    | 34 pF/ft (110 pF/m)           | 62 pF/ft (200 pF/m)                             | 2.8 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. |
|-------------------|-------------------|
| 1.18 in (30.0 mm) | 1.18 in           |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 20.7 lbs (9.39 kg) |
| Bulk Cable Weight: | 9 lbs/1000ft       |

## Standards and Compliance

|                                  |  |
|----------------------------------|--|
| Environmental Suitability:       | Indoor - Riser, Indoor   |
| Flammability / Reaction to Fire: | UL1666 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:                   | 6520FE   |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.376 Revision Date: 05-31-2024 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color | Putup Type   | Length   | UPC          |
|-----------------|-------|--------------|----------|--------------|
| 5520FE 0081000  | Gray  | Reel         | 1,000 ft | 612825164005 |
| 5520FE 008C1000 | Gray  | Coil         | 1,000 ft | 612825164012 |
| 5520FE 008U1000 | Gray  | UnReel       | 1,000 ft | 612825426103 |
| 5520FE 008Z1000 | Gray  | ReelTuff Box | 1,000 ft | 612825164074 |

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