



**Product:** [6508FE](#)

Security & Sound, #22-10c BC, Shielded, CMP

### Product Description

Security & Sound Cable, Plenum-CMP, 10-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® 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         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 10                | 22 AWG | 7x30      | BC - Bare Copper |

##### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                          |
|--------------|--------------------------|--------------------|--------------------------|---------------------------------------------------------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.047 in (1.2 mm)        | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray |

##### 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 | 0.015 in (0.38 mm) | 0.222 in (5.64 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.222 in (5.64 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
|--------------|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 16.2 Ohm/1000ft    | 33 pF/ft (110 pF/m)           | 59 pF/ft (190 pF/m)                             | 1.9 Amps per Conductor at 25°C |

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V (CMP)              |

#### Mechanical Characteristics

##### Temperature

| UL Temperature | Operating    |
|----------------|--------------|
| 75°C           | 0°C to +75°C |

##### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.22 in (56.4 mm) | 2.22 in (56.4 mm) |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 97 lbs (44 kg) |
| Bulk Cable Weight: | 38 lbs/1000ft  |

## Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                      |
| Flammability / Reaction to Fire: | NFPA 262, UL 910 (Plenum), FT6                                               |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 800, CMP                                                             |
| CEC / C(UL) Compliance:          | CMP                                                                          |
| 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)                                              |
| Non-Plenum Number:               | 5508FE                                                                       |

## History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.446 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

## Part Numbers

### Variants

| Item #          | Color   | UPC          |
|-----------------|---------|--------------|
| 6508FE 8771000  | Natural | 612825178026 |
| 6508FE 877U1000 | Natural | 612825178019 |

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