



**Product:** [6545FE](#) 

Security & Sound, #22-6pr, BC, Shielded, CMP

## Product Description

Security & Sound Cable, Plenum-CMP, 6-22 AWG stranded bare copper pairs 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 | No. of Elements | Size | Stranding | Material         |
|---------|-----------------|------|-----------|------------------|
| Pair(s) | 6               | 22   | 7x30      | BC - Bare Copper |

#### Insulation

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

#### 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) | 0.268 in      | Yes     |

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR    | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Inductance        | Max. Current                 |
|-----------------------|-------------------------------|-------------------------------------------------|------------------------|------------------------------|
| 17.5 Ohm/1000ft       | 33 pF/ft (110 pF/m)           | 59.4 pF/ft (195 pF/m)                           | 0.18 µH/ft (0.59 µH/m) | 2 Amps per Conductor at 25°C |
| Nom Outer Shield DCR: |                               | 12.7 Ohm/1000ft (41.7 Ohm/km)                   |                        |                              |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.68 in (68.1 mm) | 2.68 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 114.6 lbs (51.98 kg) |
|--------------------|----------------------|

|                    |                 |
|--------------------|-----------------|
| Bulk Cable Weight: | 46.1 lbs/1000ft |
|--------------------|-----------------|

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 (UL910), FT6                                                        |
| 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) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |
| Non-Plenum Number:               | 5545FE                                                                       |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.318 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #          | Color   | UPC          | Footnote |
|-----------------|---------|--------------|----------|
| 6545FE 8771000  | Natural | 612825178439 | C        |
| 6545FE 877U1000 | Natural | 612825178422 |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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