



**Product:** [6500FH](#) 

Security & Commercial Audio Cable, 2 Conductor 22 AWG, Flamarrest® Jacket, CMP

## Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded tinned copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

## Technical Specifications

### Product Overview

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

### Construction Details

#### Conductor

| Element | No. of Elements | Size   | Stranding | Material           |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1               | 22 AWG | 7x30      | TC - Tinned Copper |

#### Insulation

| Element | Material                 | Nom. Thickness      | Nom. Insulation Diameter | Color Code    |
|---------|--------------------------|---------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.0095 in (0.24 mm) | 0.048 in (1.2 mm)        | Black and 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 | 0.015 in (0.38 mm) | 0.130 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.130 in |
|-----------------------------------|----------|

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Inductance        | Max. Current                   |
|--------------------|-------------------------------|-------------------------------------------------|------------------------|--------------------------------|
| 16.4 Ohm/1000ft    | 55 pF/ft (180 pF/m)           | 99 pF/ft (320 pF/m)                             | 0.17 µH/ft (0.56 µH/m) | 2.8 Amps per Conductor at 25°C |

|                                      |                               |
|--------------------------------------|-------------------------------|
| Nom Outer Shield DCR@Cond DCR1-cnvr: | 18.3 Ohm/1000ft (60.0 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         |
| Max. Pull Tension: | 24 lbs (11 kg) |
| Bulk Cable Weight: | 11 lbs/1000ft  |

### Standards and Compliance

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor - Plenum, Indoor                                                                                       |
| Flammability / Reaction to Fire: | NFPA 262 (UL 910), FT6                                                                                        |
| NEC / UL Compliance:             | Article 800, CMP                                                                                              |
| CEC / C(UL) Compliance:          | CMP                                                                                                           |
| European Directive Compliance:   | EU Directive 2015/863/EU (RoHS 2 amendment), 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:               | 5500FH                                                                                                        |

### History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.325 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

### Part Numbers

#### Variants

| Item #          | Color   | Putup Type | Length   | UPC          |
|-----------------|---------|------------|----------|--------------|
| 6500FH 010U1000 | Black   | UnReel     | 1,000 ft | 612825177401 |
| 6500FH 8771000  | Natural | Reel       | 1,000 ft | 612825177395 |
| 6500FH 877U1000 | Natural | UnReel     | 1,000 ft | 612825177418 |
| 6500FH 009U1000 | White   | UnReel     | 1,000 ft | 612825177388 |

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