



Product: [6500FE](#)

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

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-22 AWG stranded bare 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 |
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Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2 | 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 |

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) | 0.128 in (3.25 mm) | Yes |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.128 in (3.25 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|---|------------------------------|
| Conductor(s) | 16.9 Ohm/1000ft | 55 pF/ft (180 pF/m) | 99 pF/ft (320 pF/m) | 6 Amps per Conductor at 25°C |

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. |
|-----------------|-------------------|
| 1.3 in (33 mm) | 1.3 in (33 mm) |

| | |
|--------------------|----------------|
| 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 (Plenum), FT6, IEC 60332-1-2 |
| 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: | 5500FE |

History

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| Update and Revision: | Revision Number: 0.525 Revision Date: 04-13-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC | Footnote |
|-----------------|---------|--------------|----------|--------------|----------|
| 6500FE 010U250 | Black | UnReel | 250 ft | 612825177302 | |
| 6500FE 010U500 | Black | UnReel | 500 ft | 612825423171 | |
| 6500FE 010Z500 | Black | ReelTuff Box | 500 ft | | |
| 6500FE 010U1000 | Black | UnReel | 1,000 ft | 612825177296 | |
| 6500FE 010Z1000 | Black | ReelTuff Box | 1,000 ft | 612825177357 | |
| 6500FE 008U1000 | Gray | UnReel | 1,000 ft | 612825423997 | |
| 6500FE 008Z1000 | Gray | ReelTuff Box | 1,000 ft | 612825177265 | |
| 6500FE 877U250 | Natural | UnReel | 250 ft | 612825177340 | |
| 6500FE 877500 | Natural | Reel | 500 ft | 612825177319 | |
| 6500FE 877C500 | Natural | Coil | 500 ft | 612825177326 | |
| 6500FE 877U500 | Natural | UnReel | 500 ft | 612825423973 | |
| 6500FE 8771000 | Natural | Reel | 1,000 ft | 612825177364 | C |
| 6500FE 877U1000 | Natural | UnReel | 1,000 ft | 612825177333 | |
| 6500FE 877Z1000 | Natural | ReelTuff Box | 1,000 ft | 612825177371 | |
| 6500FE 0031000 | Orange | Reel | 1,000 ft | 612825350705 | |
| 6500FE 003U1000 | Orange | UnReel | 1,000 ft | 612825423980 | |
| 6500FE 003Z1000 | Orange | ReelTuff Box | 1,000 ft | 612825416586 | |
| 6500FE 009U250 | White | UnReel | 250 ft | 612825423164 | |
| 6500FE 009U1000 | White | UnReel | 1,000 ft | 612825177272 | |
| 6500FE 009Z1000 | White | ReelTuff Box | 1,000 ft | 612825177289 | |

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