



**Product:** [6200FE](#)

Security & Sound, 2 Conductor 16 AWG BC, Shielded, CMP

### Product Description

Security & Commercial Audio Cable, 2-16 AWG stranded (19x29) bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum-CMP, Flamarrest® jacket with ripcord

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls |
|------------------------|--|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 2               | 16 AWG | 19x29     | BC - Bare Copper |

##### Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.075 in (1.9 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) | 0.184 in (4.67 mm) | Yes     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.184 in (4.67 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Element      | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                 |
|--------------|--------------------|-------------------------------|---|------------------------------|
| Conductor(s) | 4 Ohm/1000ft       | 81.5 pF/ft (267 pF/m)         | 146.7 pF/ft (481.3 pF/m)                        | 18 Amps per conductor @ 25°C |

##### Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V                    |

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 1.8 in (46 mm)  | 1.8 in (46 mm)    |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 84 lbs (38 kg) |
| Bulk Cable Weight: | 31 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 2015/863/EU (RoHS 2 amendment), 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:               | 5200FH  |

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.523 Revision Date: 04-13-2023 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color       | Putup Type   | Length   | UPC          | Footnote |
|-----------------|-------------|--------------|----------|--------------|----------|
| 6200FE 010Z500  | Black       | ReelTuff Box | 500 ft   |              |          |
| 6200FE 0101000  | Black       | Reel         | 1,000 ft | 612825423454 |          |
| 6200FE 010Z1000 | Black       | ReelTuff Box | 1,000 ft | 612825173915 |          |
| 6200FE D151000  | Blue        | Reel         | 1,000 ft | 612825173939 |          |
| 6200FE 005Z1000 | Green       | ReelTuff Box | 1,000 ft | 612825350255 |          |
| 6200FE 0051000  | Green, Dark | Reel         | 1,000 ft | 612825423447 |          |
| 6200FE 877500   | Natural     | Reel         | 500 ft   | 612825423461 |          |
| 6200FE 8771000  | Natural     | Reel         | 1,000 ft | 612825173922 | C        |
| 6200FE 877Z1000 | Natural     | ReelTuff Box | 1,000 ft | 612825350668 |          |
| 6200FE 0031000  | Orange      | Reel         | 1,000 ft | 612825350231 |          |
| 6200FE 0021000  | Red         | Reel         | 1,000 ft | 612825350224 |          |
| 6200FE 0071000  | Violet      | Reel         | 1,000 ft | 612825350262 |          |
| 6200FE 0091000  | White       | Reel         | 1,000 ft | 612825350279 |          |
| 6200FE 0041000  | Yellow      | Reel         | 1,000 ft | 612825350248 |          |

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