

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



## 6000FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Plenum-CL2P, 2-12 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Usage (Overall)

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 12  | 19x25     | BC - Bare Copper   |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material                   | Wall Thickness (in.) |
|-----------------------|---------------------------------------|----------------------|
| Flamarrest®           | LS PVC - Low Smoke Polyvinyl Chloride | .011                 |

#### Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100          |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 20  | Solid     | TC - Tinned Copper            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material                 | Nom. Wall Thickness (in.) |
|-------------------------|---------------------------------------|---------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | .015                      |

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 3.5          | 3.4               |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |

Overall Nominal Diameter: 0.260 in.

### Mechanical Characteristics (Overall)

|                                   |                     |
|-----------------------------------|---------------------|
| UL Temperature Rating:            | 75°C                |
| Bulk Cable Weight:                | 63.900 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 182.400 lbs.        |
| Min. Bend Radius/Minor Axis:      | 2.600 in.           |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |      |
|------------------------------------|------|
| NEC(UL) Specification:             | CL2P |
| NEC Articles:                      | 725  |
| EU Directive 2011/65/EU (ROHS II): | Yes  |

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|                                       |            |
|---------------------------------------|------------|
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

### Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

### Plenum/Non-Plenum

|                    |        |
|--------------------|--------|
| Plenum (Y/N):      | Yes    |
| Non-Plenum Number: | 5000FE |

### Electrical Characteristics (Overall)

#### Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .14                |

#### Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 97                  |

#### Nom. Capacitance Cond. to Other Conductor & Shield:

| Capacitance (pF/ft) |
|---------------------|
| 174.6               |

#### Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 1.6                      |

#### Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 7.200                    |

#### Max. Operating Voltage - UL:

| Voltage   |
|-----------|
| 150 V RMS |

#### Max. Recommended Current:

| Description          | Current                              |
|----------------------|--------------------------------------|
| 10C Temperature Rise | 12 Amps per conductor @ 25°C ambient |

### Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color   | Notes | Item Desc            |
|----------------|----------|-------------|---------|-------|----------------------|
| 6000FE 8771000 | 1,000 FT | 68.000 LB   | NATURAL | C     | 2 #12 FLRST FS FLRST |

#### Notes:

C = CRATE REEL PUT-UP.

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