

## 6200FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

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

**Usage (Overall)**

Suitable Applications:

Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 16  | 19x29     | 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 | 0.009                |

**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 |
|-----|-----------|-------------------------------|
| 24  | 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            | 4.0               |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | Red   |

Overall Nominal Diameter:

0.184 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: 0°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 31 lbs/1000 ft.

Max. Recommended Pulling Tension: 85.500 lbs.

Min. Bend Radius/Minor Axis: 1.900 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

NEC Articles: 800

## 6200FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

## Plenum/Non-Plenum

Plenum (Y/N): Yes

Plenum Number: 5200FE

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/ft)

.15

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

81.5

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

Capacitance (pF/ft)

146.7

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.0

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15.900

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

| Description          | Current                                |
|----------------------|--|
| 10C Temperature Rise | 6.25 Amps per conductor @ 25°C ambient |

## Put Ups and Colors:

| Item #         | Putup    | Ship Weight | Color   | Notes | Item Desc            |
|----------------|----------|-------------|---------|-------|----------------------|
| 6200FE 8771000 | 1,000 FT | 33.000 LB   | NATURAL | C     | 2 #16 FLRST FS FLRST |
| 6200FE 877500  | 500 FT   | 16.500 LB   | NATURAL |       | 2 #16 FLRST FS FLRST |

## Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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