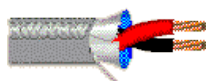


## 5300FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Commercial Audio Cable, Riser-CMR, 2-18 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

**Usage (Overall)**

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

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

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 18  | 7x26      | BC - Bare Copper   |

Total Number of Conductors: 2

**Insulation**

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.008                |

**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  | 7x32      | TC - Tinned Copper            |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.017                     |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 1.750        | 6.900             |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.162 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 22 lbs/1000 ft.

Max. Recommended Pulling Tension: 57.500 lbs.

Min. Bend Radius/Minor Axis: 1.600 in.

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

NEC/(UL) Specification: CMR

NEC Articles: 800

## 5300FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

CEC/C(UL) Specification: CMG

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: UL1666 Vertical Shaft

C(UL) Flame Test: FT4

## Plenum/Non-Plenum

Plenum Number: 6300FE

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)

0.145

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

53.000

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

Capacitance (pF/ft)

95.500

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.250

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color       | Notes | Item Desc         |
|-----------------|----------|-------------|-------------|-------|-------------------|
| 5300FE 0051000  | 1,000 FT | 19.000 LB   | GREEN, DARK |       | 2 #18 PP FS FRPVC |
| 5300FE 008U1000 | 1,000 FT | 19.000 LB   | GRAY        |       | 2 #18 PP FS FRPVC |
| 5300FE 008U500  | 500 FT   | 10.000 LB   | GRAY        |       | 2 #18 PP FS FRPVC |
| 5300FE 0081000  | 1,000 FT | 19.000 LB   | GRAY        | C     | 2 #18 PP FS FRPVC |
| 5300FE 008500   | 500 FT   | 9.500 LB    | GRAY        |       | 2 #18 PP FS FRPVC |
| 5300FE 010U1000 | 1,000 FT | 19.000 LB   | BLACK       |       | 2 #18 PP FS FRPVC |
| 5300FE 0101000  | 1,000 FT | 19.000 LB   | BLACK       |       | 2 #18 PP FS FRPVC |

## Notes:

C = CRATE REEL PUT-UP.

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## 5300FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

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