

## 5000FH Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**General Description:**

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-12 AWG stranded tinned copper conductors with Polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

**Usage (Overall)**

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems, Fire Alarm Systems (For color Red only)

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

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 12  | 19x25     | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation**

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PP - Polypropylene  | 0.011                |

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

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.264 in.

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 62.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 182.400 lbs.

Min. Bend Radius/Minor Axis: 2.625 in.

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

NEC/(UL) Specification: CL3R, FPLR

NEC Articles: 725, 760

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

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|                                       |            |
|---------------------------------------|------------|
| 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        |

## Flame Test

|                 |                       |
|-----------------|-----------------------|
| UL Flame Test:  | UL1666 Vertical Shaft |
| CSA Flame Test: | FT4                   |

## Suitability

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

## Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum (Y/N):  | No     |
| Plenum Number: | 6000FH |

## Electrical Characteristics (Overall)

## Nom. Inductance:

|                    |
|--------------------|
| Inductance (µH/ft) |
| 0.140              |

## Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 64.000              |

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

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 115.250             |

## Nom. Conductor DC Resistance:

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

## Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 7.100                    |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 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         |
|----------------|----------|-------------|-------|-------|-------------------|
| 5000FH 0081000 | 1,000 FT | 59.000 LB   | GRAY  |       | 2 #12 PO FS FRPVC |
| 5000FH 008500  | 500 FT   | 31.500 LB   | GRAY  |       | 2 #12 PO FS FRPVC |

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