

## 5100UE 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 2-14 AWG stranded bare copper conductors with polyolefin insulation, PVC jacket with ripcord

**Usage (Overall)**

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

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

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2            | 14  | 19x27     | BC - Bare 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 Material |
|-----------------------|
| Unshielded            |

**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.) | Direction | Twists (twist/ft) |
|--------------|-----------|-------------------|
| 4.000        | Left Hand | 3.000             |

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.218 in.

**Mechanical Characteristics (Overall)**

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 33 lbs/1000 ft.

Max. Recommended Pulling Tension: 95 lbs.

Min. Bend Radius/Minor Axis: 2.250 in.

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

NEC(UL) Specification: CL3R, FPLR

NEC Articles: 725 or 760

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

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |

## Flame Test

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

## Suitability

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

## Plenum/Non-Plenum

|                |        |
|----------------|--------|
| Plenum Number: | 6100UE |
|----------------|--------|

## Electrical Characteristics (Overall)

## Nom. Inductance:

|                    |
|--------------------|
| Inductance (µH/ft) |
| 0.15               |

## Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 22.000              |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 2.53                     |

## Max. Operating Voltage - UL:

|           |
|-----------|
| Voltage   |
| 300 V RMS |

## Max. Recommended Current:

| Description          | Current                             |
|----------------------|-------------------------------------|
| 10C Temperature Rise | 8 Amps per conductor @ 25°C ambient |

## Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color | Notes | Item Desc      |
|-----------------|----------|-------------|-------|-------|----------------|
| 5100UE 0021000  | 1,000 FT | 36.000 LB   | RED   | C     | 2 #14 PP FRPVC |
| 5100UE 008U1000 | 1,000 FT | 35.000 LB   | GRAY  |       | 2 #14 PP FRPVC |
| 5100UE 0081000  | 1,000 FT | 36.000 LB   | GRAY  | C     | 2 #14 PP FRPVC |
| 5100UE 008500   | 500 FT   | 18.000 LB   | GRAY  | C     | 2 #14 PP FRPVC |
| 5100UE 0101000  | 1,000 FT | 36.000 LB   | BLACK | C     | 2 #14 PP FRPVC |

## Notes:

C = CRATE REEL PUT-UP.

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