

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 |
| MII 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 | 37.000 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 | 37.000 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 | 37.000 LB | BLACK | C | 2 #14 PP FRPVC |

Notes:

C = CRATE REEL PUT-UP.

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