

## 5100UP Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Commercial Audio Cable, Rated-CL3, 2-14 AWG highly flexible stranded bare copper conductors with PVC insulation, PVC jacket with ripcord

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material                |
|--------------|-----|-----------|-----------------------------------|
| 2            | 14  | 42x30     | Bare High-Conductivity ETP Copper |

Total Number of Conductors: 2

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.508               |

#### Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.457                    |

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

| Length (mm) | Twists (twist/m) |
|-------------|------------------|
| 88.89965    | 11.1554          |

Overall Cabling Color Code Chart:

| Color |
|-------|
| Black |
| White |

Overall Nominal Diameter: 6.756 mm

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 75°C

Bulk Cable Weight: 58.040 Kg/Km

Max. Recommended Pulling Tension: 485.743 N

Min. Bend Radius/Minor Axis: 66.675 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL3

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

## METRIC MEASUREMENT VERSION

### 5100UP Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

|                                   |     |
|-----------------------------------|-----|
| 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: | UL1685 UL Loading |
|----------------|-------------------|

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance (µH/m)

0.55777

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

95.149

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

7.94002

##### Max. Operating Voltage - UL:

Voltage

300 V RMS

##### Max. Recommended Current:

Current

22 Amps per conductor @ 25°C

#### Put Ups and Colors:

| Item #          | Putup    | Ship Weight | Color       | Notes | Item Desc       |
|-----------------|----------|-------------|-------------|-------|-----------------|
| 5100UP 005U1000 | 1,000 FT | 43.000 LB   | GREEN, DARK |       | 2 #14 PVC FRPVC |
| 5100UP 005U500  | 500 FT   | 22.000 LB   | GREEN, DARK |       | 2 #14 PVC FRPVC |
| 5100UP 0051000  | 1,000 FT | 45.000 LB   | GREEN, DARK |       | 2 #14 PVC FRPVC |
| 5100UP 005500   | 500 FT   | 23.500 LB   | GREEN, DARK |       | 2 #14 PVC FRPVC |
| 5100UP 008U1000 | 1,000 FT | 43.000 LB   | GRAY        |       | 2 #14 PVC FRPVC |
| 5100UP 008U500  | 500 FT   | 22.000 LB   | GRAY        |       | 2 #14 PVC FRPVC |
| 5100UP 0081000  | 1,000 FT | 45.000 LB   | GRAY        | C     | 2 #14 PVC FRPVC |
| 5100UP 009U1000 | 1,000 FT | 43.000 LB   | WHITE       |       | 2 #14 PVC FRPVC |
| 5100UP 009U500  | 500 FT   | 22.000 LB   | WHITE       |       | 2 #14 PVC FRPVC |
| 5100UP 0091000  | 1,000 FT | 45.000 LB   | WHITE       |       | 2 #14 PVC FRPVC |
| 5100UP 009500   | 500 FT   | 23.500 LB   | WHITE       |       | 2 #14 PVC FRPVC |
| 5100UP 010U1000 | 1,000 FT | 43.000 LB   | BLACK       |       | 2 #14 PVC FRPVC |
| 5100UP 010U500  | 500 FT   | 22.000 LB   | BLACK       |       | 2 #14 PVC FRPVC |
| 5100UP 0101000  | 1,000 FT | 45.000 LB   | BLACK       | C     | 2 #14 PVC FRPVC |
| 5100UP 010500   | 500 FT   | 23.500 LB   | BLACK       |       | 2 #14 PVC FRPVC |

##### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 03-13-2013

© 2017 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).