


**Product:** [5100U1](#) 

Security & Sound, 2 Conductor 14 AWG TC, Waterblocked, CL3



## Product Description

Security & Commercial Audio Cable, 2 Conductor 14 AWG stranded (19x27) tinned copper conductors with PVC insulation, Waterblocking tape, CL3, PVC jacket with ripcord.

## Technical Specifications

### Product Overview

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

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material           | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 14  | 19x27     | TC - Tinned Copper | 2                 |

|                  |   |
|------------------|---|
| Conductor Count: | 2 |
|------------------|---|

#### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.014 in               |

#### Color Chart

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

#### Outer Shield Material

| Material  |
|-----------|
| No Shield |

#### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.29 in          | 0.025 in               | Yes     |

### Construction and Dimensions

#### Cabling

| Twists     |
|------------|
| 4 twist/ft |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.5 Ohm/1000ft        |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
|---|

30 pF/ft

#### Inductance

##### Nominal Inductance

0.15  $\mu$ H/ft

#### Current

##### Max. Recommended Current [A]

8 Amps per Conductor at 25°C

#### Voltage

##### UL Voltage Rating

300 V RMS

#### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| UL Temp Rating:       | 105°C           |
| Operating Temp Range: | -20°C To +105°C |

#### Mechanical Characteristics

|                             |               |
|-----------------------------|---------------|
| Bulk Cable Weight:          | 44 lbs/1000ft |
| Max. Pull Tension:          | 95 lbs        |
| Min Bend Radius/Minor Axis: | 2.875 in      |

#### Standards

|                      |             |
|----------------------|-------------|
| NEC Articles:        | Article 725 |
| NEC/(UL) Compliance: | CL3         |

#### Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| Environmental Space:                  | Indoor (Not Riser or Plenum)  |
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                           | Yes                           |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2011-11-11                    |
| MII Order #39 (China RoHS):           | Yes                           |

#### Suitability

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

#### Flammability, LS0H, Toxicity Testing

|                    |                   |
|--------------------|-------------------|
| UL Flammability:   | UL1685 UL Loading |
| UL voltage rating: | 300 V RMS         |

#### Plenum/Non-Plenum

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

#### Part Number

##### Variants

| Item #         | Color | Putup Type | Length   | UPC          |
|----------------|-------|------------|----------|--------------|
| 5100U1 0101000 | Black | Reel       | 1,000 ft | 612825156307 |
| 5100U1 0081000 | Gray  | Reel       | 1,000 ft | 612825156581 |

Footnote: C - CRATE REEL PUT-UP.

#### History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.143 Revision Date: 06-24-2020 |
|----------------------|--|

© 2020 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.