

## 5100U1 Multi-Conductor - Water-Blocked for Use in Underground Ducts



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Rated-CL3, 2-14 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket with ripcord

### Usage (Overall)

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.014

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.025

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

Length (in.)	Twists (twist/ft)
3.000	4.000

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.290 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 44 lbs/1000 ft.

Max. Recommended Pulling Tension: 95 lbs.

Min. Bend Radius/Minor Axis: 2.875 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL3

NEC Articles: 725

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):	11/11/2011
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:	UL1685 UL Loading
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### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/ft)  
0.15

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
30.000

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
2.500

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

### Max. Recommended Current:

Current  
8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5100U1 0081000	1,000 FT	47.000 LB		C	2 #14 PVC FRPVC
5100U1 0101000	1,000 FT	47.000 LB		C	2 #14 PVC FRPVC

### Notes:

C = CRATE REEL PUT-UP.

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