



**Product:** [5102U1](#)

Security & Sound, #14-4c, TC, CL3-FPL-PLTC, Water-Blocked

### Product Description

Security & Sound Cable, Rated-CL3-FPL-PLTC, 4-14 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Fire Alarm (Red Jkt), Power-Limited Controls, Wet Location, Below-Grade Duct
------------------------	---

#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	14	19x27	TC - Tinned Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.12 in (3.0 mm)	Black, Red, White, Green

Waterblocking:	Waterblock Tape
----------------	-----------------

##### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Waterblocking Tape	PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.427 in

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
2.73 Ohm/1000ft	31 pF/ft (100 pF/m)	14 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V RMS (PLTC)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

##### Bend Radius

Stationary Min.	Installation Min.
4.27 in (108 mm)	4.27 in

Max. Pull Tension:	190 lbs (86 kg)
Bulk Cable Weight:	109 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL1685 FT4 loading, FT4, IEEE 1202 FT4
NEC / UL Compliance:	Article 725, Article 760, Article 800
CEC / C(UL) Compliance:	CL3
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.390 Revision Date: 02-03-2025
----------------------	--

## Part Numbers

### Variants

Item #	Color	UPC
5102U1 0101000	Black	612825156819
5102U1 0021000	Red	612825156796

© 2025 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.