



Product: [5002U1](#)

Security & Sound, 4 Conductor 12 AWG TC, Waterblocked, CL3



Product Description

Security & Commercial Audio Cable, 4 Conductor 12 AWG stranded (19x25) 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
12	19x25	TC - Tinned Copper	4

Conductor Count:	4
------------------	---

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.014 in

Color Chart

Number	Color
1	Black
2	Red
3	White
4	Green

Outer Shield

Material

No Shield

Table Notes:	Outer Shield Waterblocking Tape
--------------	---------------------------------

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.377 in	0.029 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
32 pF/ft

Current

Max. Recommended Current [A]

21 Amps per Conductor at 25°C

Voltage**UL Voltage Rating**

300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	113 lbs/1000ft
Max. Pull Tension:	304 lbs
Min. Bend Radius/Minor Axis:	4 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

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

Related Part Numbers**Variants**

Item #	Color	Put-Up Type	Length	UPC
5002U1 0101000	Black	Reel	1,000 ft	612825155737

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.347 Revision Date: 11-09-2022
----------------------	--

© 2023 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.