



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
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
12	19x25	TC - Tinned Copper	0.088 in	4

Conductor Count:	4
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.119 in	0.014 in

Color Chart

Number	Color
1	Black
2	Red
3	White
4	Green

Table Notes:	Outer Shield Waterblocking Tape
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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]
24 Amps per Conductor at 30°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 During Installation:	3.77 in
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
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### 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.
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### History

Update and Revision:	Revision Number: 0.485 Revision Date: 01-30-2024
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