




**Product:** [6524UE](#) 

Security & Sound, #22-6c, BC, CMP

## Product Description

Security & Sound Cable, Plenum-CMP 6-22 AWG solid bare copper conductors with Flamarrest® insulation, Flamarrest® jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls
------------------------	---

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	Solid	BC - Bare Copper	6

Conductor Count:	6
------------------	---

#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.009 in

#### Color Chart

Color
Black
Red
White
Green
Brown
Blue

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	Flamarrest®	0.162 in	0.015 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
15.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
25 pF/ft

#### Current

**Max. Recommended Current [A]**

2 Amps per Conductor at 25°C

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

Operating Temp Range: 0°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight: 21.5 lbs/1000ft

Max. Pull Tension: 46.8 lbs

Min Bend Radius/Minor Axis: 1.6 in

**Standards**

NEC/(UL) Compliance: CMP

CEC/C(UL) Compliance: CMP

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

**Flammability, LSOH, Toxicity Testing**

C(UL) Flammability: FT6

UL Flammability: NFPA 262 Plenum Flame Test (UL910)

UL voltage rating: 300 V RMS

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Part Number**

Non-Plenum Number: 5524UE

**Variants**

Item #	Color	UPC
6524UE 877C500	Natural	612825353676
6524UE 877U1000	Natural	612825178187

**History**

Update and Revision: Revision Number: 0.220 Revision Date: 02-16-2021

© 2021 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.