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
No Shield

Outer Jacket

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 25ºC

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temperature 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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes

Related Part Numbers

Non-Plenum Number:	5524UE

Variants

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

History

Update and Revision:	Revision Number: 0.300 Revision Date: 05-05-2023

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable](#):

[6524UE 877C500](#)