


**Product: [6502UE](#)**
**Security & Sound, #22-4c BC, CMP**
**Product Description**

Security &amp; Sound Cable, Plenum-CMP 4-22 AWG stranded 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
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**Construction Details**
**Conductor**

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	BC - Bare Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black, Red, White, Green

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.139 in (3.53 mm)	Yes

Overall Cable Diameter (Nominal): 0.139 in (3.53 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	16.1 Ohm/1000ft	27 pF/ft (89 pF/m)	2.2 Amps per conductor @ 25°C

Nom Outer Shield DCR: 18.38 Ohm/1000ft (60.30 Ohm/km)

**Voltage**

UL Voltage Rating
300 V (CMP)

**Mechanical Characteristics**
**Temperature**

UL Temperature	Operating
75°C	0°C to +75°C

**Bend Radius**

Stationary Min.	Installation Min.
1.39 in (35.3 mm)	1.39 in (35.3 mm)

Max. Pull Tension: 36 lbs (16 kg)

Bulk Cable Weight: 15 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5502UE

## History

Update and Revision: Revision Number: 0.435 Revision Date: 09-07-2025

## Part Numbers

### Variants

Item #	Color	UPC	Footnote
6502UE 8771000	Natural	612825177753	C
6502UE 877500	Natural	612825177760	
6502UE 877C500	Natural	612825177722	
6502UE 877U1000	Natural	612825177739	
6502UE 877U500	Natural	612825177746	

Footnote: C - CRATE REEL PUT-UP.

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