



**Product:** [6509UE](#)

Security & Sound, #22-12c, BC, CMP

### Product Description

Security & Sound Cable, Plenum-CMP 12-22 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	Number of Element	Size	Stranding	Material
Conductor(s)	12	22	7x30	BC - Bare Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.008 in (0.20 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.217 in	Yes

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
17.41 Ohm/1000ft	27.5 pF/ft (90.2 pF/m)	1.4 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
2.17 in (55.1 mm)	2.17 in

Max. Pull Tension:	109 lbs (49.4 kg)
Bulk Cable Weight:	39 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Outdoor
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Flammability / Reaction to Fire:	NFPA 262 (UL910), 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 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:	5509UE

## History

Update and Revision:	Revision Number: 0.302 Revision Date: 05-05-2023
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## Part Numbers

### Variants

Item #	Color	UPC
6509UE 8771000	Natural	612825178057
6509UE 877U1000	Natural	612825178040

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