



Product: [6506FE](#)

Security & Sound, #22-8c BC, Shielded, CMP

### Product Description

Security & Sound Cable, Plenum-CMP, 8-22 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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#### Construction Details

##### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	8	22 AWG	7x30	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.190 in (4.83 mm)	Yes

Overall Cable Diameter (Nominal):	0.190 in (4.83 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.2 Ohm/1000ft	33 pF/ft (110 pF/m)	59 pF/ft (190 pF/m)	1.9 Amps per Conductor at 25°C

##### Voltage

###### UL Voltage Rating

300 V (CMP)
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#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	78 lbs (35 kg)
Bulk Cable Weight:	32 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:	5506FE

## History

Update and Revision:	Revision Number: 0.469 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
6506FE 010U1000	Black	612825377887	
6506FE 010U1000	Black	612825377887	
6506FE 8771000	Natural	612825177968	C
6506FE 877500	Natural	612825177975	C
6506FE 877U1000	Natural	612825177951	
6506FE 0071000	Violet	612825377733	
6506FE 0071000	Violet	612825377733	
6506FE 007U1000	Violet	612825377825	
6506FE 007U1000	Violet	612825377825	
6506FE 0041001	Yellow	612825177944	

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