



**Product:** [6405FE](#)

Security & Sound, #20-7c, BC, Shielded, CMP

### Product Description

Security & Sound Cable, Plenum-CMP, 7-20 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)	7	20 AWG	7x28	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.054 in (1.4 mm)	Black, Red, White, Green, Brown, Blue, Orange

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.196 in	Yes

Overall Cable Diameter (Nominal):	0.196 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
10.82 Ohm/1000ft	36 pF/ft (120 pF/m)	64.8 pF/ft (213 pF/m)	2.6 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.
1.96 in (49.8 mm)	1.96 in

Max. Pull Tension:	97.3 lbs (44.1 kg)
Bulk Cable Weight:	38 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5405FE

## History

Update and Revision:	Revision Number: 0.308 Revision Date: 05-05-2023
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
6405FE 8771000	Natural	612825176824	C

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