




**Product:** [6402FE](#) 

Security & Sound, #20-4c, BC, Shielded, CMP

## Product Description

Security & Sound Cable, Plenum-CMP, 4-20 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)	4	20	7x28	BC - Bare Copper

#### Insulation

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

#### 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)	0.164 in	Yes

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
11.1 Ohm/1000ft	36 pF/ft (120 pF/m)	64.8 pF/ft (213 pF/m)	3 Amps per Conductor at 25°C
Nom Outer Shield DCR@Cond DCR1-cnvc:		15.8 Ohm/1000ft (51.8 Ohm/km)	

#### 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.
1.64 in (41.7 mm)	1.64 in

Max. Pull Tension:	62.4 lbs (28.3 kg)
Bulk Cable Weight:	24 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	NFPA 262 (UL 910), 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:	5402FE

## History

Update and Revision:	Revision Number: 0.465 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
6402FE 8771000	Natural	612825176749	C
6402FE 877U1000	Natural	612825176732	

Footnote:	C - CRATE REEL PUT-UP.
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