



REPRESENTATIVE IMAGE

**Product:** [6501FE](#)

Security & Sound, 3 Conductor 22 AWG BC, Shielded, Plenum

## Product Description

Security & Sound Cable, 3 Conductor 22 AWG stranded (7x30) bare copper conductors with Flamarrest® insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord

## Technical Specifications

### Product Overview

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

#### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	22 AWG	7x30	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	Black, Red, White

#### 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)	0.135 in (3.43 mm)	Yes

Overall Cable Diameter (Nominal):	0.135 in (3.43 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)	16.1 Ohm/1000ft (52.8 Ohm/km)	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	2.8 Amps per Conductor at 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.	Installation Min.

4.2 in (110 mm) 4.2 in (110 mm)

Max. Pull Tension:	32.8 lbs
Bulk Cable Weight:	14 lbs/1000ft (21 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5501FE

## History

Update and Revision:	Revision Number: 0.379 Revision Date: 12-15-2021
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## Variants

Item #	Color	Putup Type	Length	UPC
6501FE 8771000	Natural	Reel	1,000 ft	612825177487
6501FE 877U1000	Natural	UnReel	1,000 ft	612825426271
6501FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825177517

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