



**Product:** [6000FL](#)

Security & Sound, #12-2c, BC, O/A Foil, FPLP

## Product Description

Security & Sound Cable , Plenum-FPLP, 2-12 AWG stranded bare copper conductors with Flam arrest® insulation, Beldfoil® shield and Flam arrest® jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Fire Alarm, Monitor/Detection, Circuits: Audio, Control, Initiating, Notification, Noisy Environment
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
12	19x25	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flam arrest®	0.011 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.260 in	0.015 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
1.6 Ohm/1000ft	7.0 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
93 pF/ft	167.5 pF/ft

#### Current

Max. Recommended Current [A]
17.75 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: 0°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight: 56 lbs/1000ft

Max. Pull Tension: 152 lbs

Min Bend Radius/Minor Axis: 2.6 in

## Standards

NEC Articles: Article 760

NEC/(UL) Compliance: FPLP

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/11/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2009-10-01

## Suitability

Suitability - Indoor: Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability: NFPA 262

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Part Number

Non-Plenum Number: 5000FL

## Variants

Item #	Color	UPC
6000FL 0021000	Red	612825166085

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision: Revision Number: 0.69 Revision Date: 02-16-2021

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