



**Product:** [5521FE](#)

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

### Product Description

Security & Commercial Audio Cable, 3 Conductor 22 AWG solid bare copper conductors with polyolefin insulation, Beldfoil® shield, Riser, PVC jacket with ripcord.

### Technical Specifications

#### Product Overview

Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
22	Solid	BC - Bare Copper	3

Conductor Count:	3
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##### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

##### Color Chart

Number	Color
1	Black
2	Red
3	White

##### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.119 in	0.015 in	Yes

#### Construction and Dimensions

##### Cabling

Twists
6 twist/ft

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15.7 Ohm/1000ft	11.9 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
31 pF/ft	55.8 pF/ft

## Inductance

Nominal Inductance
0.167 $\mu$ H/ft

## Current

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

## Voltage

UL Voltage Rating
300 V RMS

## Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	10.8 lbs/1000ft
Max. Pull Tension:	31.2 lbs
Min. Bend Radius/Minor Axis:	1.25 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMR
CEC/C(UL) Compliance:	CMG

## Applicable Environmental and Other Programs

Environmental Space:	Indoor - Riser
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6521FE

## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
5521FE 0081000	Gray	Reel	1,000 ft	612825426110
5521FE 008Z1000	Gray	Reel/Tuff Box	1,000 ft	612825164159

## History

Update and Revision:	Revision Number: 0.364 Revision Date: 08-27-2021
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