



**Product:** [5503FE](#)

Security & Sound, #22-5c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 5-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

## Technical Specifications

### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	5

Conductor Count:	5
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#### Insulation

Material
PP - Polypropylene

#### Color Chart

Color
Black
Red
White
Green
Brown

#### 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	24	7x32

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.157 in	0.017 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.4 Ohm/1000ft	15.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22 pF/ft	40 pF/ft

#### Inductance

<b>Nominal Inductance</b>
0.18 µH/ft

#### Current

<b>Max. Recommended Current [A]</b>
2.2 Amps per Conductor at 25°C

#### Voltage

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

### Temperature Range

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

### Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max. Pull Tension:	51 lbs
Min Bend Radius/Minor Axis:	1.6 in

### Standards

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

### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

### Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Riser
CSA Flammability:	FT4
UL voltage rating:	300 V RMS

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6503FE

### Part Number

#### Variants

Item #	Color	UPC
5503FE 0081000	Gray	612825163718

### History

Update and Revision:	Revision Number: 0.232 Revision Date: 08-25-2020
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