



**Part Number: 5500FE**

Security & Sound, 2 Conductor 22 AWG, BC, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 2-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

## Technical Specifications

### Product Overview

Environmental Space:	Indoor - Riser
Suitable Applications:	Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	2

Conductor Count:	2
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#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PP - Polypropylene	0.045 in	0.008 in

#### Color Chart

Number	Color
1	Black
2	Red

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.126 in	0.017 in	Yes

### Construction and Dimensions

#### Cabling

Lay Direction	Twists
Left Hand	4.8 twist/ft

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.1 Ohm/1000ft	16.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield

34.5 pF/ft	62 pF/ft
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#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.8 Amps per conductor @ 25°C A

Current Table Note:	10C Temperature Rise
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#### 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:	10.0 lbs/1000ft
Max Recommended Pulling Tension:	23.7 lbs
Min Bend Radius/Minor Axis:	1.5 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

#### 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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Riser
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6500FH

#### Part Number

#### Variants

Item #	Color	UPC	Length
5500FE 010U1000	Black	612825423867	1,000 ft

5500FE 010Z1000	Black	612825162841	1,000 ft
5500FE 010Z1000	Black	612825162841	1,000 ft
5500FE.K0305	Chrome		305 m
5500FE.00152	Gray		152 m
5500FE.00305	Gray		305 m
5500FE.00U305	Gray		305 m
5500FE 0081000	Gray	612825162803	1,000 ft
5500FE 008500	Gray	612825162773	500 ft
5500FE 008U1000	Gray	612825162780	1,000 ft
5500FE 008U500	Gray	612825423836	500 ft
5500FE.00153	GRAY		500 m
5500FE 008Z1000	Gray	612825162810	1,000 ft
5500FE 008Z1000	Gray	612825162810	1,000 ft
5500FE 009U1000	White	612825423850	1,000 ft
5500FE 009Z1000	White	612825162827	1,000 ft
5500FE 009Z1000	White	612825162827	1,000 ft

## History

Update and Revision:	Revision Number: 0.305 Revision Date: 08-22-2019
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