



**Product:** [5500F1](#)

Security & Sound, #22-2c, TC, Shielded, CM, Water-Blocked

### Product Description

Security & Sound Cable, Rated-CM, 2-22 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket with ripcord

### Technical Specifications

#### Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	2

Conductor Count:	2
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##### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 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	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	solid

Table Notes:	Non-woven waterblocking tape
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##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.196 in	0.025 in	Yes

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
16.1 Ohm/1000ft	16.1 Ohm/1000ft		16.8 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
46 pF/ft	82.8 pF/ft

##### Current

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

## Voltage

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

## Temperature Range

Operating Temp Range:	-20°C To +105°C
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## Mechanical Characteristics

Bulk Cable Weight:	15.7 lbs/1000ft
Max. Pull Tension:	23.7 lbs
Min Bend Radius/Minor Axis:	2 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
CPR Euroclass:	Eca

## 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:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color	UPC
5500F1 0101000	Black	612825162872
5500F1 0081000	Gray	612825162865

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.225 Revision Date: 09-30-2020
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