




**Product:** [5506FE](#) 

Security & Sound, #22-8c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 8-22 AWG stranded bare copper conductors with polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	BC - Bare Copper	8

Conductor Count: 8

#### Insulation

Material	Nominal Wall Thickness
Polyolefin (PO, PE, PP)	0.008 in

#### Color Chart

Color
Black
Red
White
Green
Brown
Blue
Orange
Yellow

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.187 in	0.018 in	Yes

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
16.4 Ohm/1000ft	15.9 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
22.5 pF/ft	40.5 pF/ft

#### Current

Element	Max. Recommended Current [A]
10C temperature Rise	2 Amps per conductor @ 25°C A

## 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:	26 lbs/1000ft
Max Recommended Pulling Tension:	78.3 lbs
Min Bend Radius/Minor Axis:	1.875 in

## Standards

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

## Applicable Environmental and Other Programs

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

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

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
5506FE.00305	Chrome		305 m	
5506FE 0081000	Gray	612825163893		C
5506FE 008U1000	Gray	612825163879		
5506FE 008U500	Gray	612825163886		
5506FE 0051000	Green	612825163862		

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

Update and Revision:	Revision Number: 0.223 Revision Date: 04-02-2020
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