



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

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

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## Product Description

Security & Sound Cable, Riser-CMR, 8-22 AWG stranded bare copper conductors with polypropylene 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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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	8	22 AWG	7x30	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black, Red, White, Green, Brown, Blue, Orange, Yellow

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.187 in (4.75 mm)	Yes

Overall Cable Diameter (Nominal):	0.187 in (4.75 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	16.9 Ohm/1000ft	22.5 pF/ft (73.8 pF/m)	40.5 pF/ft (133 pF/m)	4.2 Amps per Conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt:	15.9 Ohm/1000ft (52.2 Ohm/km)
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#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
75°C	-20°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	78 lbs (35 kg)
Bulk Cable Weight:	27 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 Riser, IEEE 1202 FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

## History

Update and Revision:	Revision Number: 0.451 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
5506FE.00305	Chrome	Reel	305 m	8719605008794	
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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