



**Product:** [5306FE](#) 

Security & Sound, #18-8c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 8-18 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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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	8	18	7x26	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PP - Polypropylene	0.008 in (0.20 mm)	0.062 in (1.6 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)	0.245 in (6.22 mm)	Yes

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.86 Ohm/1000ft	27 pF/ft (89 pF/m)	48.5 pF/ft (159 pF/m)	3.5 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cnvt: 14.4 Ohm/1000ft (47.2 Ohm/km)

#### 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.
2.45 in (62.2 mm)	2.45 in (62.2 mm)

Max. Pull Tension: 193.2 lbs (87.63 kg)

Bulk Cable Weight:	56 lbs/1000ft
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## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6306FE

## History

Update and Revision:	Revision Number: 0.461 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
5306FE 0081000	Gray	612825336938	C
5306FE 008500	Gray	612825159971	C

Footnote:	C - CRATE REEL PUT-UP.
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