


Product: [5303FE](#)
Security & Sound, #18-5c, BC, Shielded, CMR
Product Description

Security & Sound Cable, Riser-CMR, 5-18 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)	5	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.009 in (0.23 mm)	0.062 in (1.6 mm)	Black, Red, White, Green, Brown

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	0.017 in (0.43 mm)	0.205 in (5.21 mm)	Yes

Overall Cable Diameter (Nominal): 0.205 in (5.21 mm)

Electrical Characteristics
Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.5 Ohm/1000ft	29 pF/ft (95 pF/m)	52.25 pF/ft (171.4 pF/m)	4 Amps per conductor @ 25°C
Nom Outer Shield DCR@Cond DCR1-cnv:		14.4 Ohm/1000ft (47.2 Ohm/km)		

Voltage

UL Voltage Rating
300 V (CMR)

Mechanical Characteristics
Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.1 in (53 mm)	2.1 in (53 mm)

Max. Pull Tension:	126 lbs (57.2 kg)
Bulk Cable Weight:	38 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Riser, Indoor
Flammability / Reaction to Fire:	UL 1666 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 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:	6303FE

History

Update and Revision:	Revision Number: 0.446 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5303FE 0081000	Gray	612825159827	C
5303FE 008500	Gray	612825159834	C
5303FE 008U1000	Gray	612825159810	

Footnote:	C - CRATE REEL PUT-UP.
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