


**Product: [5503FE](#)**
**Security & Sound, #22-5c, BC, Shielded, CMR**
**Product Description**

Security &amp; Sound Cable, Riser-CMR, 5-22 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)	5	22 AWG	7x30	BC - Bare Copper

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PO - Polyolefin	0.008 in (0.20 mm)	0.045 in (1.1 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)	0.157 in	Yes

Overall Cable Diameter (Nominal): 0.157 in

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Conductor(s)	16.4 Ohm/1000ft	22 pF/ft (72 pF/m)	40 pF/ft (130 pF/m)	0.18 µH/ft (0.59 µH/m)	2.2 Amps per Conductor at 25°C
Nom Outer Shield DCR:		15.3 Ohm/1000ft (50.2 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.
1.57 in (39.9 mm)	1.57 in

Max. Pull Tension:	51 lbs (23 kg)
Bulk Cable Weight:	18 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	6503FE

## History

Update and Revision:	Revision Number: 0.315 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC
5503FE 0081000	Gray	612825163718

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