



**Product:** [5502FE](#)

Security & Sound, #22-4c BC, Shielded, CMR

### Product Description

Security & Sound Cable, Riser-CMR, 4-22 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	Number of Element	Size	Stranding	Material
Conductor(s)	4	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

##### 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)	0.145 in (3.68 mm)	Yes

Overall Cable Diameter (Nominal):	0.145 in (3.68 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)	4.8 Amps per Conductor @ 25°C

##### 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.
1.5 in (38 mm)	1.5 in (38 mm)

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	16 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: 0.459 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN
5502FE 0081000	Gray			612825163299
5502FE 008500	Gray			612825163305
5502FE 008C500	Gray			
5502FE 008U1000	Gray			612825163275
5502FE 008U500	Gray			612825163282
5502FE.00152	Gray	Reel	152 m	8719605008671
5502FE.00305	Gray	Reel	305 m	8719605008688
5502FE.00U305	Gray	Reel	305 m	8719605008695

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