



Product: [5501GE](#)

Security & Sound, #22-2c, BC, Shielded, CMR

### Product Description

Security & Sound Cable, Riser-CMR, 1-22 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 1-22 AWG stranded bare copper conductors with insulation, overall 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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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
22	7x30	BC - Bare Copper	1	
				1

Conductor Count:	3
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##### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

##### Color Chart

Color
Black & Red (shielded pair)
White

##### Inner Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24

##### Outer Shield

Material
No Shield

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.171 in	0.015 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
16.4 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
46 pF/ft	82.8 pF/ft

## Inductance

### Nominal Inductance

0.18 µH/ft

## Current

### Max. Recommended Current [A]

2.8 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temperature Range: -20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight: 15.1 lbs/1000ft

Max. Pull Tension: 32.8 lbs

Min. Bend Radius/Minor Axis: 1.8 in

## Standards

NEC/(UL) Compliance: CMR

CEC/C(UL) Compliance: CMG

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (RoHS 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

MII Order #39 (China RoHS): Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability: UL1666 Riser

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 6501GE

## Related Part Numbers

### Variants

Item #	Color	UPC
5501GE 008U1000	Gray	612825163213

## History

Update and Revision: Revision Number: 0.312 Revision Date: 05-05-2023

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