



**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	

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
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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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