



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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