



**Product:** [5402GE](#)

Security & Sound, #20-2c, BC, Shielded, CMR

## Product Description

Security & Sound Cable, Riser-CMR, 1-20 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 2-20 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 Pairs
20	7x28	BC - Bare Copper	1

Conductor Count:	4
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

#### Color Chart

Color
Black & Red (shielded pair)
White
Green

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.2 in	0.015 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
10.2 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
56 pF/ft	101 pF/ft

## Inductance

### Nominal Inductance

0.17 µH/ft

## Current

### Max. Recommended Current [A]

3 Amps per Conductor at 25°C

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Operating Temp Range: -20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight: 25 lbs/1000ft

Max. Pull Tension: 56 lbs

Min Bend Radius During Installation: 30 in

Min Bend Radius/Minor Axis: 2 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 II): Yes

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

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

EU CE Mark: Yes

EU RoHS Compliance Date (yyyy-mm-dd): 2005-04-01

MII Order #39 (China RoHS): Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability: FT4

UL Flammability: UL1666 Riser

UL voltage rating: 300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N): No

## Part Number

### Variants

Item #	Color	UPC
5402GE 001U1000	Black	612825162155
5402GE 010U1000	Black	612825162179
5402GE 008U1000	Gray	612825162162

## History

Update and Revision: Revision Number: 0.239 Revision Date: 02-16-2021

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