



Product: <u>5402GE</u> ☑

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 |
|------------------------|--|
| | |

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-------|-------------|------------------|--------------|
| 20 | 7x28 | BC - Bare Copper | 1 |
| Condu | ctor Count: | | 4 |

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 | Alum / Poly | Beldfoil® | 100 % | TC - Tinned Copper | 22 |

Outer Shield Material



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 @ 25°C A

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 Recommended Pulling Tension: | 56 lbs |
| Min Bend Radius During Installation: | 30 in |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| NEC/(UL) Specification: | CMR | |
|--------------------------|-----|--|
| CEC/C(UL) Specification: | 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, LS0H, 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: 0.234 Revision Date: 04-28-2020

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