




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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|------------------|--------------|
| 20 | 7x28 | BC - Bare Copper | 1 |

| | |
|------------------|---|
| Conductor 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

| 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 @ 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

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|----------------------|--|
| Update and Revision: | Revision Number: 0.234 Revision Date: 04-28-2020 |
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