




Product: [5502GE](#) 

Security & Sound, #22-2c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 1-22 AWG stranded bare copper pair with polyolefin insulation and Beldfoil® shield, 2-22 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 |
|------------------------|--|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|--------|-----------|------------------|
| Pair(s) | 1 | 22 AWG | 7x30 | BC - Bare Copper |
| Conductor(s) | 2 | 22 AWG | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------|--------------------|--------------------------|-------------------------------|
| Pair(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.045 in (1.1 mm) | Black and Red (shielded pair) |
| Conductor(s) | PP - Polypropylene | 0.008 in (0.20 mm) | 0.045 in (1.1 mm) | White, Green |

Inner Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Shield

| Material |
|-----------|
| No Shield |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.152 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.152 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|-------------------------------|-------------------------------|-------------------------------|---|--------------------------------|
| Pair(s) | 16.4 Ohm/1000ft | 14.5 Ohm/1000ft (47.6 Ohm/km) | 37 pF/ft (120 pF/m) | 66.5 pF/ft (218 pF/m) | 2.2 Amps per Conductor at 25°C |
| Conductor(s) | 17.2 Ohm/1000ft (56.4 Ohm/km) | | | | 2.2 Amps per Conductor at 25°C |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.52 in (38.6 mm) | 1.52 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 42 lbs (19 kg) |
| Bulk Cable Weight: | 16 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor |
| Flammability / Reaction to Fire: | UL1666 Riser, FT4 |
| NEC / UL Compliance: | Article 800, CMR |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6502GE |

History

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| Update and Revision: | Revision Number: 0.308 Revision Date: 12-20-2021 |
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Part Numbers

Variants

| Item # | Color | UPC |
|-----------------|-------|--------------|
| 5502GE 010U1000 | Black | 612825163350 |
| 5502GE 001U1000 | Brown | 612825163329 |
| 5502GE 0081000 | Gray | 612825163343 |
| 5502GE 008U1000 | Gray | 612825163336 |

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