



Product: [6502GE](#)

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

Product Description

Security & Sound Cable, Plenum-CMP, 1-22 AWG stranded bare copper pair with Flamarrest® insulation and Beldfoil® shield, 2-22 AWG stranded bare copper conductors with insulation, overall Flamarrest® 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 | 7x30 | BC - Bare Copper |
| Conductor(s) | 2 | 22 | 7x30 | BC - Bare Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|--------------------|--------------------------|--------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.047 in (1.2 mm) | Black & Red |
| Conductor(s) | PVC - Polyvinyl Chloride | 0.009 in (0.23 mm) | 0.047 in (1.2 mm) | White, Green |

Inner Shield

| Element | Shield Type | Material | Coverage | Drainwire Type |
|--------------|-------------|-------------------------|----------|------------------|
| Each Pair | Tape | Bi-Laminate (Alum+Poly) | 100% | 16 AWG (7x24) TC |
| Conductor(s) | No Shield | | | |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.155 in (3.94 mm) | Yes |

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) | 17.24 Ohm/1000ft | 3.23 Ohm/1000ft (10.6 Ohm/km) | 55 pF/ft (180 pF/m) | 99 pF/ft (320 pF/m) | 2.2 Amps per Conductor at 25°C |
| Conductor(s) | 17.2 Ohm/1000ft (56.4 Ohm/km) | | | | |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature |
|----------------|
| 75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.55 in (39.4 mm) | 1.55 in (39.4 mm) |

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 36.4 lbs (16.5 kg) |
| Bulk Cable Weight: | 19 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Outdoor |
| Flammability / Reaction to Fire: | NFPA 262 (UL910), FT6 |
| NEC / UL Compliance: | Article 800, CMP |
| CEC / C(UL) Compliance: | CMP |
| 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) |
| Non-Plenum Number: | 5502GE |

History

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| Update and Revision: | Revision Number: 0.430 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | UPC |
|-----------------|---------|--------------|
| 6502GE 010C100 | Black | 612825177661 |
| 6502GE 010U1000 | Black | 612825177678 |
| 6502GE 008U1000 | Gray | 612825177623 |
| 6502GE 8771000 | Natural | 612825177708 |
| 6502GE 877U1000 | Natural | 612825177692 |
| 6502GE 009C100 | White | 612825177630 |
| 6502GE 009U1000 | White | 612825177647 |

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