



Product: [5524G1](#)

Security & Sound, #22-1pr, #22-4c TC, Shielded Pair, CM, Water-Blocked

Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG solid tinned copper pair with PVC insulation and Beldfoil® shield, 4-22 AWG solid tinned copper conductors with PVC insulation, overall waterblocking tape, PVC jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|--------------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 22 AWG | Solid | TC - Tinned Copper |
| Conductor(s) | 4 | 22 AWG | Solid | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------|--------------------------|-------------------|--------------------------|-----------------------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.046 in (1.2 mm) | Black & Red (shielded pair) |
| Conductor(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.046 in (1.2 mm) | Brown, Green, Blue, White |

Inner Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |
| | No Shield | | |

| | |
|--------------|--------------------|
| Table Notes: | Waterblocking tape |
|--------------|--------------------|

Outer Jacket

| Separator | Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------|--------------------------|--------------------|---------------|---------|
| Waterblocking Tape | PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.244 in | Yes |

| | |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.244 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) | 20 Ohm/1000ft | 18.3 Ohm/1000ft (60.0 Ohm/km) | 48.8 pF/ft (160 pF/m) | 87.8 pF/ft (288 pF/m) | 3.5 Amps per Conductor at 25°C |
| Conductor(s) | 20 Ohm/1000ft (66 Ohm/km) | | | | 3.5 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|-----------------|
| 105°C | -40°C To +105°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 2.44 in (62.0 mm) | 2.44 in |

| | |
|--------------------|----------------|
| Max. Pull Tension: | 54 lbs (24 kg) |
| Bulk Cable Weight: | 29 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL1685 UL Loading, FT4 |
| NEC / UL Compliance: | Article 800, CM |
| CEC / C(UL) Compliance: | CM |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

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| Update and Revision: | Revision Number: 0.310 Revision Date: 05-31-2024 |
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Part Numbers

Variants

| Item # | Color | UPC | Footnote |
|----------------|-------|--------------|----------|
| 5524G1 0101000 | Black | 612825164197 | C |
| 5524G1 0081000 | Gray | 612825164180 | C |

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