

# Product: 5501G1

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

## Product Description

PTZ Cable, Rated-CM, 1-22 AWG tinned copper pair with PVC insulation and a Beldfoil® shield, 1-22 AWG tinned copper conductor with PVC insulation, overall water resistant tape and PVC jacket with ripcord

## 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 | Number of Element | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 1 | 22 AWG | 7x30 | TC - Tinned Copper |
| Conductor(s) | 1 | 22 AWG | 7x30 | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.051 in (1.3 mm) | Black and Red |
| Conductor(s) | PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.051 in (1.3 mm) | 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 |
| Waterblocking: | Waterblock Tape |

**Outer Jacket**

| Separator | Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|---|
| Waterblocking Tape | PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.222 in | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.222 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) | 44.5 pF/ft (146 pF/m) | 80.1 pF/ft (263 pF/m) | 5 Amps per Conductor at 25ºC |
| Conductor(s) | 17.9 Ohm/1000ft (58.7 Ohm/km) | | | | 5 Amps per Conductor at 25ºC |

**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. |
|---|---|
| 2.22 in (56.4 mm) | 2.22 in |

| | |
|---|---|
| Max. Pull Tension: | 32.8 lbs (14.9 kg) |
| Bulk Cable Weight: | 21 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL1685 UL Loading, IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| 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: 0.303 Revision Date: 12-20-2021 |

## Part Numbers

**Variants**

| Item # | Color | UPC |
|---|---|---|
| 5501G1 0101000 | Black | 612825163237 |
| 5501G1 0081000 | Gray | 612825163220 |

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