



## Part Number: 5502G1

Security & Sound, #22-1pr, #22-2c TC, Shielded Pair, CM, Water-Blocked

### Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG tinned copper pair with PVC insulation and a Beldfoil® shield, 2-22 AWG tinned copper conductors with PVC insulation, overall water resistant tape and PVC jacket with ripcord

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

| AWG | Stranding | Material           | No. of Conductors | No. of Pairs |
|-----|-----------|--------------------|-------------------|--------------|
| 22  | 7x30      | TC - Tinned Copper |                   | 1            |
| 22  | 7x30      | TC - Tinned Copper | 2                 |              |

|                  |        |
|------------------|--------|
| Conductor Count: | 4      |
| Conductor Size:  | 22 AWG |

##### Insulation

| Material                 | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.01 in                |
| PVC - Polyvinyl Chloride | 0.01 in                |

##### Color Chart

| Number        | Color         |
|---------------|---------------|
| Shielded Pair | Black and Red |
| Conductor     | White         |
| Conductor     | Green         |

##### Inner Shield Material

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 24            | 7x32                         |
|      | Unshielded                   |                     |              |                    |               |                              |

|                          |           |
|--------------------------|-----------|
| InnerShield, Table Note: | Non-woven |
|--------------------------|-----------|

##### Outer Shield Material

| Material   |
|------------|
| Unshielded |

|       |                    |
|-------|--------------------|
| Note: | Waterblocking tape |
|-------|--------------------|

##### Outer Jacket Material

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.234 in         | 0.025 in               | Yes     |

#### Electrical Characteristics

##### Conductor DCR

| Max. Conductor DCR | Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance |
|--------------------|-----------------------|-----------------------|----------------------|
| 164 Ohm/km         | 16.4 Ohm/1000ft       | 16.4 Ohm/1000ft       |                      |

##### Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
|   |   |

|            |            |
|------------|------------|
| 44.5 pF/ft | 80.1 pF/ft |
|------------|------------|

|            |                           |
|------------|---------------------------|
| Shielding: | Foil(s) or Copper Tape(s) |
|------------|---------------------------|

#### Inductance

##### Nominal Inductance

0.18 µH/ft

#### Current

##### Max. Recommended Current [A]

Per conductor @ 25°C: 2.2 A

#### Voltage

##### UL Voltage Rating

300 V RMS

#### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -20°C To +105°C |
|-----------------------|-----------------|

#### Mechanical Characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight:               | 24.4 lbs/1000ft |
| Max Recommended Pulling Tension: | 36.4 lbs        |
| Min Bend Radius/Minor Axis:      | 2.375 in        |

#### Standards

|                          |     |
|--------------------------|-----|
| NEC Articles:            | 800 |
| NEC/(UL) Specification:  | CM  |
| CEC/C(UL) Specification: | CM  |

#### Applicable Environmental and Other Programs

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| EU Directive 2011/65/EU (ROHS II):    | Yes        |
| EU Directive 2012/19/EU (WEEE):       | Yes        |
| EU Directive 2015/863/EU:             | Yes        |
| EU Directive Compliance:              | Yes        |
| EU CE Mark:                           | Yes        |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01 |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |
| MII Order #39 (China RoHS):           | Yes        |

#### Flammability, LS0H, Toxicity Testing

|                     |                   |
|---------------------|-------------------|
| C(UL) Flammability: | FT1               |
| UL Flammability:    | UL1685 UL Loading |
| UL voltage rating:  | 300 V RMS         |

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

#### Part Number

#### Variants

| Item #         | Color | Footnote |
|----------------|-------|----------|
| 5502G1 0081000 | Gray  | C        |
| 5502G1 008500  | Gray  |          |

|           |                        |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

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