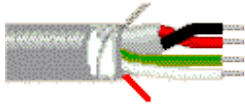


## 5522G1 Multi-Conductor - Water-Blocked for Indoor/Outdoor Use

For more Information  
please call

1-800-Belden1



### General Description:

Security & Alarm Cable, Rated-CM, 1-22 AWG solid tinned copper pair with PVC insulation and Beldfoil® shield, 2-22 AWG solid tinned copper conductors with PVC insulation, Overall waterblocking tape, PVC jacket with ripcord

### Usage (Overall)

**Suitable Applications:** Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, Sunlight Resistant, Indoor/Outdoor, CM

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	1	22	Solid	TC - Tinned Copper
2		22	Solid	TC - Tinned Copper

**Total Number of Conductors:** 4

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

#### Inner Shield

**Inner Shield Material:**

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

**Inner Shield Drain Wire AWG:**

AWG	Stranding	Conductor Material
22	Solid	TC - Tinned Copper

**Inner Shield Waterblocking Tape:** Non-woven

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Shield Waterblocking Tape:** Yes

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.635

**Outer Jacket Ripcord:** Yes

#### Overall Cable

**Overall Cabling Color Code Chart:**

Number	Color	Group/Cond. Color
1	Black and Red	Shielded Pair
2	White	Conductor

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3	Green	Conductor
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**Overall Nominal Diameter:** 5.690 mm

### Pair

**Pair Lay Length & Direction:**

<b>Lay Length (mm)</b>
38.1

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-20°C To +105°C
<b>Bulk Cable Weight:</b>	34.377 Kg/Km
<b>Max. Recommended Pulling Tension:</b>	138.784 N
<b>Min. Bend Radius/Minor Axis:</b>	57.150 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CM
<b>CEC/C(UL) Specification:</b>	CM
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

#### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
<b>C(UL) Flame Test:</b>	FT1

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

<b>Inductance (µH/m)</b>
0.59058

#### Nom. Capacitance Conductor to Conductor:

<b>Capacitance (pF/m)</b>
159.129

#### Nom. Capacitance Cond. to Other Conductor & Shield:

<b>Capacitance (pF/m)</b>
283.807

#### Nom. Conductor DC Resistance:

<b>DCR @ 20°C (Ohm/km)</b>
53.8084

#### Max. Operating Voltage - UL:

<b>Voltage</b>
300 V RMS

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**Max. Recommended Current:**

Current
2.2 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5522G1 0101000	1,000 FT	27.000 LB	BLACK	C	1 FS PR + 2 #22 S-R PVC PVC

**Notes:**

C = CRATE REEL PUT-UP.

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