




**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
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
22	Solid	TC - Tinned Copper		1
22		TC - Tinned Copper	4	

Conductor Count:	6
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#### Insulation

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

#### Color Chart

Number	Color
Shielded Pair	Black & Red
Conductor	Brown
Conductor	Green
Conductor	Blue
Conductor	White

#### Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Blk/Red Pair	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid
		No Shield					

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.244 in	0.025 in	Waterblocking Tape

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
11.3 Ohm/1000ft	15.7 Ohm/1000ft	15.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
48.8 pF/ft	87.8 pF/ft

#### Current

Max. Recommended Current [A]
3.2 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

Operating Temp Range:	-20°C To +105°C
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#### Mechanical Characteristics

Bulk Cable Weight:	29.2 lbs/1000ft
Max. Pull Tension:	54 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	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):	2006-07-12
MII Order #39 (China RoHS):	Yes

#### Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1581 Vertical Tray
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	UPC
5524G1 0101000	Black	612825164197
5524G1 0081000	Gray	612825164180

Footnote:	C - CRATE REEL PUT-UP.
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#### History

Update and Revision:	Revision Number: 0.227 Revision Date: 08-25-2020
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