



Part Number: 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:	Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, Sunlight Resistant, Indoor/Outdoor, CM
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	6
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 & 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	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22	Solid
		Unshielded					

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

Shielding:	Foil(s) or Copper Tape(s)
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Current

Max. Recommended Current [A]
Per conductor @ 25°C: 3.2 A

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 Recommended Pulling Tension:	54 lbs
Min Bend Radius/Minor Axis:	2.5 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):	2006-07-12
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, 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	Footnote
5524G1 0101000	Black	C
5524G1 0081000	Gray	C

Footnote:	C - CRATE REEL PUT-UP.
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