



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
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Outer Shield Material

Material
Unshielded

Note:	Waterblocking tape
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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
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Shielding:	Foil(s) or Copper Tape(s)
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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
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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
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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