

Part Number: 5521G1

Security & Sound, #22-1pr, #22-2c 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, 1-22 AWG solid tinned copper pairs with PVC insulation, Inner and overall waterblocking tapes, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Low Voltage, Water Resistant, Water-Blocked for Use in Underground Ducts, Moisture Resistant, CM, A30 Intercom, Sound, Audio, Indoor/Outdoor
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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
Conductor	22	Solid	TC - Tinned Copper	1	

Conductor Count:	3
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	White

Inner Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Shielded Pair	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	22
	Conductor	Unshielded				

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.212 in	0.025 in	Waterblocking Tape

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
16.4 Ohm/1000ft	16.4 Ohm/1000ft	

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
48.5 pF/ft	87.3 pF/ft

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: 2.8 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:	20 lbs/1000ft
Max Recommended Pulling Tension:	23.4 lbs
Min Bend Radius/Minor Axis:	3 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):	2006-07-18
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	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
5521G1 0101000	Black	C
5521G1 008500	Gray	

Footnote:	C - CRATE REEL PUT-UP.
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