



Product: [5522G1](#)

Security & Sound, #22-1pr, #22-1c 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, 2-22 AWG solid tinned copper conductors with PVC insulation, overall waterblocking tape, PVC jacket with ripcord

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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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	Solid	TC - Tinned Copper
Conductor(s)	2	22 AWG	Solid	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.046 in (1.2 mm)	Black and Red
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.046 in (1.2 mm)	White, Green

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (Solid) TC
	No Shield		

Table Notes:	Waterblocking tape
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Outer Shield

Material
No Shield

Waterblocking:	Waterblock Tape
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Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Waterblocking Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.224 in	Yes

Overall Cable Diameter (Nominal):	0.224 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	20 Ohm/1000ft	11.1 Ohm/1000ft (36.4 Ohm/km)	48.5 pF/ft (159 pF/m)	86.5 pF/ft (284 pF/m)	4 Amps per Conductor at 25°C
Conductor(s)	20 Ohm/1000ft (66 Ohm/km)				4 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.24 in (56.9 mm)	2.24 in

Max. Pull Tension:	36.3 lbs (16.5 kg)
Bulk Cable Weight:	24 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.169 Revision Date: 04-08-2022
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Part Numbers

Variants

Item #	Color	UPC
5522G1 0101000	Black	612825164135

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