



Product: [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

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	7x30	TC - Tinned Copper		1
22	7x30	TC - Tinned Copper	2	

Conductor Count:	4
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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 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	Alum / Poly	Beldfoil®	100%	TC - Tinned Copper	24	7x32
	No Shield					

Table Notes:	Non-woven
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Outer Shield Material

Material
No Shield

Table Notes:	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
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164 Ohm/km	16.4 Ohm/1000ft	16.4 Ohm/1000ft
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Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
44.5 pF/ft	80.1 pF/ft

Inductance

Nominal Inductance
0.18 µH/ft

Current

Max. Recommended Current [A]
2.2 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:	24.4 lbs/1000ft
Max. Pull Tension:	36.4 lbs
Min Bend Radius/Minor Axis:	2.375 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):	2005-10-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, 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	UPC
5502G1 0081000	Gray	612825163367
5502G1 008500	Gray	612825163374

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.234 Revision Date: 06-08-2020
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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9