



Product: [5504G1](#)

Security & Sound, #22-1pr, #22-4c TC, Shielded Pair, CM, Water-Blocked

Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG stranded tinned copper pair with PVC insulation and Beldfoil® shield, 4-22 AWG stranded tinned copper pair with PVC insulation, overall waterblocking 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	4	
Conductor Count:			6	

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
Conductor	Brown
Conductor	Blue

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					

Outer Shield Material	
Material	
No Shield	
Outer Shield Table Note:	Waterblocking tape

Outer Jacket Material			
Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.268 in	0.025 in	Yes

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
44.5 pF/ft	80.1 pF/ft

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:	31.5 lbs/1000ft
Max Recommended Pulling Tension:	54.6 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
CPR Euroclass:	Eca

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, LS0H, Toxicity Testing

C(UL) Flammability:	FT1
UL Flammability:	UL1685 UL Loading
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
5504G1 0101000	Black	612825163787
5504G1 0081000	Gray	612825163770

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.235 Revision Date: 04-28-2020
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