



Product: [5584G1](#)

Security & Sound, #22-1pr, #22-2pr 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 pairs with PVC insulation, Inner and overall waterblocking tape, PVC jacket

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 Pairs
22	Solid	TC - Tinned Copper	1
22		TC - Tinned Copper	2

Conductor Count:	6
Total Number of Pairs:	3

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
Unshielded pair 1	Black & White
Unshielded pair 2	Black & Green

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	Solid
Tape	Bi-Laminate (Alum+Poly)		100%			

Outer Jacket Material

Nominal Diameter	Nominal Wall Thickness	Separator Material
0.283 in	0.025 in	Waterblocking Tape

Electrical Characteristics

Conductor DCR

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
Shielded Pair		15.7 Ohm/1000ft	15.7 Ohm/1000ft
	11.3 Ohm/1000ft	15.7 Ohm/1000ft	

Capacitance

Element	Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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Blk/Red Pair	33 pF/ft	88.6 pF/ft
Other Pairs	18 pF/ft	

Current

Max. Recommended Current [A]
3.2 Amps per Conductor at 25°C
3.2 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:	31.7 lbs/1000ft
Max. Pull Tension:	54 lbs
Min Bend Radius/Minor Axis:	3 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):	2006-07-18
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

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	UPC
5584G1 0101000	Black	612825164708
5584G1 0081000	Gray	612825164685

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.225 Revision Date: 02-16-2021
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