



Product: [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:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct
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Construction Details

Conductor

Element	Size	Stranding	Material
Shielded Pair(s)	22	Solid	TC - Tinned Copper
Conductor(s)	22	Solid	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	Black & Red, White
PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
	No Shield	

Outer Shield

Material
No Shield

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Waterblocking Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.212 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
16.4 Ohm/1000ft (53.8 Ohm/km)	48.5 pF/ft (159 pF/m)	87.3 pF/ft (286 pF/m)	0.18 µH/ft (0.59 µH/m)	2.8 Amps per Conductor at 25°C

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

Operating	
-20°C To +105°C	
Max. Pull Tension:	23.4 lbs (10.6 kg)
Bulk Cable Weight:	20 lbs/1000ft (30 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	UL1581 Vertical Tray, FT1
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: 0.306 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5521G1 0101000	Black	612825164104	C
5521G1 008500	Gray	612825164098	
Footnote:	C - CRATE REEL PUT-UP.		

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