



Product: [6502GE](#) 

Security & Sound, #22-2c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 1-22 AWG stranded bare copper pair with Flamarrest® insulation and Beldfoil® shield, 2-22 AWG stranded bare copper conductors with insulation, overall Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	22	7x30	BC - Bare Copper
Conductor(s)	2	22	7x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	Black & Red
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.047 in (1.2 mm)	White, Green

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Each Pair	Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (7x24) TC
Conductor(s)	No Shield			

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.155 in (3.94 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
Pair(s)	17.24 Ohm/1000ft	3.23 Ohm/1000ft (10.6 Ohm/km)	55 pF/ft (180 pF/m)	99 pF/ft (320 pF/m)	0.17 μH/ft (0.56 μH/m)	2.2 Amps per Conductor at 25°C
Conductor(s)	17.2 Ohm/1000ft (56.4 Ohm/km)					

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature
75°C

Bend Radius

Stationary Min.	Installation Min.
1.55 in (39.4 mm)	1.55 in (39.4 mm)

Max. Pull Tension:	36.4 lbs (16.5 kg)
Bulk Cable Weight:	19 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	NFPA 262 (UL910), FT6
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5502GE

History

Update and Revision:	Revision Number: 0.434 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
6502GE 010C100	Black	612825177661	
6502GE 010U1000	Black	612825177678	
6502GE 008U1000	Gray	612825177623	
6502GE 8771000	Natural	612825177708	C
6502GE 877U1000	Natural	612825177692	
6502GE 009C100	White	612825177630	
6502GE 009U1000	White	612825177647	

Footnote:	C - CRATE REEL PUT-UP.
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