



Product: [5502GE](#)

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

Product Description

Security & Sound Cable, Riser-CMR, 1-22 AWG stranded bare copper pair with polyolefin insulation and Beldfoil® shield, 2-22 AWG stranded bare copper conductors with insulation, overall PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
22	7x30	BC - Bare Copper	1

Conductor Count:	4
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Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.007 in

Color Chart

Color
Black & Red (shielded pair)
White
Green

Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.152 in	0.017 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
16.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
37 pF/ft	66.5 pF/ft

Inductance

Nominal Inductance
0.16 µH/ft

Current

Max. Recommended Current [A]
2.2 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	18.2 lbs/1000ft
Max Recommended Pulling Tension:	42 lbs
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1666 Riser
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6502GE

Part Number

Variants

Item #	Color	UPC
5502GE 010U1000	Black	612825163350
5502GE 001U1000	Brown	612825163329
5502GE 0081000	Gray	612825163343
5502GE 008U1000	Gray	612825163336

History

Update and Revision:	Revision Number: 0.228 Revision Date: 04-28-2020
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