



Product: [5402GE](#)

Security & Sound, #20-2c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 1-20 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 2-20 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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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	20	7x28	BC - Bare Copper
Conductor(s)	2	20	7x28	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.056 in (1.4 mm)	Black & Red
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.056 in (1.4 mm)	White, Green

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Each Pair	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC
Conductor(s)	No Shield			

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.2 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	10.9 Ohm/1000ft	2.1 Ohm/1000ft (6.9 Ohm/km)	56 pF/ft (180 pF/m)	101 pF/ft (331 pF/m)	3 Amps per Conductor at 25°C
Conductor(s)	10.7 Ohm/1000ft (35.1 Ohm/km)				

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-20°C To +75°C

Bend Radius

Stationary Min.	Installation Min.
2 in (51 mm)	2 in

Max. Pull Tension:	56 lbs (25 kg)
Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4
NEC / UL Compliance:	Article 800, CMR
CEC / C(UL) Compliance:	CMG
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)

History

Update and Revision:	Revision Number: 0.346 Revision Date: 12-20-2022
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Part Numbers

Variants

Item #	Color	UPC
5402GE 001U1000	Black	612825162155
5402GE 010U1000	Black	612825162179
5402GE 008U1000	Gray	612825162162

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