BELDEN

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

Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.045 in (1.1 mm)	Black and Red (shielded pair)
Conductor(s)	PP - Polypropylene	0.008 in (0.20 mm)	0.045 in (1.1 mm)	White, Green

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.152 in	Yes

Overall Cable Diameter (Nominal):	0.152 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)	16.4 Ohm/1000ft	14.5 Ohm/1000ft (47.6 Ohm/km)	37 pF/ft (120 pF/m)	66.5 pF/ft (218 pF/m)	2.2 Amps per Conductor at 25ºC
Conductor(s)	17.2 Ohm/1000ft (56.4 Ohm/km)				2.2 Amps per Conductor at 25ºC

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.
1.52 in (38.6 mm)	1.52 in

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	16 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
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)
Plenum Number:	6502GE

History

Update and Revision:	Revision Number: 0.317 Revision Date: 02-03-2025

Part Numbers

Variants

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

Mouser Electronics

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