Belden



Product: 5402GE

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

Product Description

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

Construction Details

Conductor

Element	No. of Elements	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)	Nom. Inductance	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)	0.17 µH/ft (0.56 µH/m)	3 Amps per Conductor at 25ºC
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: 0.487 Revision Date: 09-07-2025

Part Numbers

Variants

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

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.