Belden



Product: 5302GE

Security & Sound, #18-2c, BC, Shielded, CMR

Product Description

Security & Sound Cable, Riser-CMR, 1-18 AWG stranded bare copper pair with PVC insulation and Beldfoil® shield, 2-18 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	18 AWG	7x26	BC - Bare Copper
Conductor(s)	2	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.066 in (1.7 mm)	Black & Red (shielded pair)
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.066 in (1.7 mm)	White, Green

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.245 in	Yes

Overall Cable Diameter (Nominal):	0.245 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)	6.5 Ohm/1000ft	7.1 Ohm/1000ft (23 Ohm/km)	65 pF/ft (210 pF/m)	117 pF/ft (384 pF/m)	0.16 µH/ft (0.52 µH/m)	4 Amps per Conductor at 25ºC
Conductor(s)	6.7 Ohm/1000ft (22 Ohm/km)					4 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.
2.45 in (62.2 mm)	2.45 in

Max. Pull Tension:	102.2 lbs (46.36 kg)
Bulk Cable Weight:	36 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1666 Riser, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.322 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	UPC
5302GE 008U1000	Gray	612825159605

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