BELDEN

Product: 5502G1 ⧉

Security & Sound, #22-1pr, #22-2c TC, Shielded Pair, CM, Water-Blocked

Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG tinned copper pair with PVC insulation and a Beldfoil® shield, 2-22 AWG tinned copper conductors with PVC insulation, overall water resistant tape and PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct

Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.051 in (1.3 mm)	Black and Red
Conductor(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.051 in (1.3 mm)	White, Green

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC
	No Shield		

Table Notes:	Waterblocking tape

Outer Shield

Material
No Shield

Waterblocking:	Waterblock Tape

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Waterblocking Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.234 in	Yes

Overall Cable Diameter (Nominal):	0.234 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)	44.5 pF/ft (146 pF/m)	80.1 pF/ft (263 pF/m)	4 Amps per Conductor at 25ºC
Conductor(s)	17.9 Ohm/1000ft (58.7 Ohm/km)				4 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating

300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.34 in (59.4 mm)	2.34 in

Max. Pull Tension:	42 lbs (19 kg)
Bulk Cable Weight:	25 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), 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: 0.318 Revision Date: 05-31-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
5502G1 0081000	Gray	612825163367	C
5502G1 008500	Gray	612825163374	

Mouser Electronics

Authorized Distributor

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