

Product: 5584G1

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

Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG solid tinned copper pair with PVC insulation and Beldfoil® shield, 2-22 AWG solid tinned copper pairs with PVC insulation, Inner and overall waterblocking tape, PVC jacket

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	Solid	TC - Tinned Copper
Pair(s)	2	22 AWG	Solid	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.046 in (1.2 mm)	Black & Red
Pair(s)	PVC - Polyvinyl Chloride	0.01 in (0.25 mm)	0.046 in (1.2 mm)	Black & White, Black & Green

Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Blk/Red Pair	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (Solid) TC

Table Notes:	Waterblocking tape

Outer Shield

Material
No Shield

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Waterblocking Tape	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.283 in	Yes

Overall Cable Diameter (Nominal):	0.283 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Pair(s)	20.6 Ohm/1000ft	33 pF/ft (110 pF/m)	58.6 pF/ft (192 pF/m)	3.2 Amps per Conductor at 25ºC
Pair(s)	20.6 Ohm/1000ft (67.6 Ohm/km)	18 pF/ft (59 pF/m)		3.2 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-20°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.83 in (71.9 mm)	2.83 in

Max. Pull Tension:	59 lbs (27 kg)
Bulk Cable Weight:	31.7 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 UL Loading, IEEE 1202 FT4
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)

History

Update and Revision:	Revision Number: 0.305 Revision Date: 05-31-2024

Part Numbers

Variants

Item #	Color	UPC	Footnote
5584G1 0101000	Black	612825164708	
5584G1 0081000	Gray	612825164685	C

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