

Product: 5504G1

Security & Sound, #22-1pr, #22-4c TC, Shielded Pair, CM, Water-Blocked

Product Description

Security & Sound Cable, Rated-CM, 1-22 AWG stranded tinned copper pair with PVC insulation and Beldfoil® shield, 4-22 AWG stranded tinned copper pair with PVC insulation, overall waterblocking 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	Number of Element	Size	Stranding	Material
Conductor(s)	4	22	7x30	TC - Tinned Copper
Pair(s)	1	22	7x30	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.051 in (1.3 mm)	White, Green, Brown, Blue
PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.051 in (1.3 mm)	Black & Red

Inner Shield

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

Waterblocking:	Waterblock Tape

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.259 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	17.85 Ohm/1000ft	44.5 pF/ft (146 pF/m)	80.1 pF/ft (263 pF/m)	2.2 Amps per Conductor at 25ºC
Pair(s)	18.2 Ohm/1000ft (59.7 Ohm/km)			

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
150°C	-20°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
2.59 in (65.8 mm)	2.59 in

Max. Pull Tension:	60.1 lbs
Bulk Cable Weight:	33 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
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: 0.315 Revision Date: 12-19-2021

Variants

Item #	Color	UPC
5504G1 0101000	Black	612825163787
5504G1 0081000	Gray	612825163770

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