



Product: [5304F1](#)

Security & Sound, #18-6c, TC, Shielded, CMG-FPL-PLTC, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC, 6-18 AWG stranded tinned copper conductors with PVC insulation, Beldfoil® shield, 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
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	TC - Tinned Copper	6

Conductor Count:	6
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Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.010 in

Color Chart

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.319 in	0.042 in	Waterblocking Tape

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	7.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	54 pF/ft

Current

Max. Recommended Current [A]

3.5 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

Operating Temp Range: -30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight: 64 lbs/1000ft

Max. Pull Tension: 148.4 lbs

Min Bend Radius/Minor Axis: 3.125 in

Standards

NEC Articles: Article 725, Article 760, Article 800

NEC/(UL) Compliance: CMG, FPL, PLTC

CEC/C(UL) Compliance: CMG

Applicable Environmental and Other Programs

Environmental Space: Outdoor - Water Exposure

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/11/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive 2015/863/EU: Yes

EU Directive Compliance: Yes

EU CE Mark: Yes

EU REACH SVHC Compliance (yyyy-mm-dd): 2019-05-03

EU RoHS Compliance Date (yyyy-mm-dd): 2019-05-03

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Sunlight Resistance: Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability: FT4

UL Flammability: UL1685 FT4 loading

IEEE Flammability: IEEE 1202 Vertical Tray Flame Test

Part Number

Variants

Item #	Color	Putup Type	Length
5304F1 0101000	Black	Reel	1,000 ft

History

Update and Revision: Revision Number: 0.18 Revision Date: 02-16-2021

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