



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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	18	7x26	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.04 in (1.0 mm)	Black, Red, White, Green, Brown, Blue

Outer Shield

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

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Waterblocking Tape	PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.319 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
6.92 Ohm/1000ft	30 pF/ft (98 pF/m)	54 pF/ft (180 pF/m)	3.5 Amps per Conductor at 25°C

Nom Outer Shield DCR@Cond DCR1-cn: 7.2 Ohm/1000ft (24 Ohm/km)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Bend Radius

Stationary Min.	Installation Min.
3.19 in (81.0 mm)	3.19 in

Max. Pull Tension:	148.4 lbs (67.31 kg)
Bulk Cable Weight:	64 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor - Water Exposure, Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Flammability / Reaction to Fire:	UL1685 FT4 loading, FT4, IEEE 1202 Vertical Tray Flame Test
NEC / UL Compliance:	Article 725, Article 760, Article 800, CMG, FPL, PLTC
CEC / C(UL) Compliance:	CMG
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), REACH: 2019-05-03
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.74 Revision Date: 09-07-2025
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Part Numbers

Variants

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

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