



Product: [5102U1](#)

Security & Sound, #14-4c, TC, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-14 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Fire Alarm (Red Jkt), Power-Limited Controls, Wet Location, Below-Grade Duct
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Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
14	19x27	TC - Tinned Copper	4
Conductor Count:			4

Insulation	
Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

Color Chart	
Number	Color
1	Black
2	White
3	Red
4	Green

Outer Shield	
Material	No Shield

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.427 in	0.053 in	Waterblocking Tape

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
2.9 Ohm/1000ft	2.9 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	31 pF/ft

Current	
Max. Recommended Current [A]	

13 Amps per Conductor at 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Oil Resistance:	Yes
Bulk Cable Weight:	108 lbs/1000ft
Max. Pull Tension:	190 lbs
Min. Bend Radius/Minor Axis:	4.25 in

Standards

NEC Articles:	Article 725, Article 760, Article 800
NEC/(UL) Compliance:	CMG, FPL, PLTC-ER
CEC/C(UL) Compliance:	CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
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
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
5102U1 0101000	Black	612825156819
5102U1 0021000	Red	612825156796

History

Update and Revision:	Revision Number: 0.285 Revision Date: 08-27-2021
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