



Part Number: 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:	Low Voltage, Water-Blocked for Use in Underground Ducts, FPL, PLTC, Intercom, Sound, Audio
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Physical Characteristics (Overall)

Conductor

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

Conductor Count:	4
Conductor Size:	14 AWG

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

Material
Unshielded

Outer Jacket Material

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]
Per conductor @ 25°C: 13 A

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	108 lbs/1000ft
Max Recommended Pulling Tension:	190 lbs
Min Bend Radius/Minor Axis:	4.25 in

Standards

NEC Articles:	800, 760, 725
NEC/(UL) Specification:	CMG, FPL, PLTC-ER
CEC/C(UL) Specification:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-11-06
CA Prop 65 (CJ for Wire & Cable):	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:	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
5102U1 0101000	Black
5102U1 0021000	Red

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