

**Part Number: 5302U1**

**Security & Sound, #18-4c, TC, CMG-FPL-PLTC-ER, Water-Blocked**



## Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-18 AWG stranded tinned copper conductors with PVC insulation, Waterblocking tape, PVC jacket

## Technical Specifications

### Product Overview

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

#### Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	TC - Tinned Copper	4

Conductor Count:	4
Conductor Size:	18 AWG

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 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	0.309 in	0.042 in	Waterblocking Tape

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance
5.9 Ohm/1000ft	5.9 Ohm/1000ft	

#### Capacitance

Nom. Capacitance Conductor to Conductor
30 pF/ft

Shielding:	Unshielded
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#### Current

Max. Recommended Current [A]
Per conductor @ 25°C: 7.2 A

## Voltage

<b>UL Voltage Rating</b>
300 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	40 lbs/1000ft
Max Recommended Pulling Tension:	89 lbs
Min Bend Radius/Minor Axis:	3.125 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 - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 loading
CSA Flammability:	FT4
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	Footnote
5302U1 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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