

## Part Number: 5202F1



## Security & Sound, #16-4c, TC, Shielded, CMG-FPL-PLTC-ER, Water-Blocked

### Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-16 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and 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
16	7x24	TC - Tinned Copper	4

Conductor Count:	4
Conductor Size:	16 AWG

##### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.010 in

##### Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green

##### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	18	(19x30)

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.295 in	0.042 in	Waterblocking Tape

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
4.2 Ohm/1000ft	4.2 Ohm/1000ft		15.25 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
43 pF/ft

Shielding:	Foil(s) or Copper Tape(s)
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##### Current

Max. Recommended Current [A]
Per conductor @ 25°C: 9 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:	58 lbs/1000ft
Max Recommended Pulling Tension:	165 lbs
Min Bend Radius/Minor Axis:	3 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

UL Flammability:	UL1685 FT4 loading
CSA Flammability:	FT4
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	Footnote
5202F1 0101000	Black	C
5202F1 0021000	Red	C

Footnote:	C - CRATE REEL PUT-UP.
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