



**Product:** [5140F1](#)

Security & Sound, #14-2c, TC, Shielded, CMG-FPL-PLTC-ER, Water-Blocked

## Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 1-14 AWG stranded tinned copper pair with PVC insulation, Beldfoil® shield, Waterblocking tape, PVC jacket

## Technical Specifications

### Product Overview

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

#### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	14	19x27	TC - Tinned Copper	1

Conductor Count:	2
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#### Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.014 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	16	19x29

Outer Shield Table Note:	Waterblocking tape
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#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.326 in	0.042 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
3.05 Ohm/1000ft	3.05 Ohm/1000ft		11.25 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
83 pF/ft

#### 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:	50 lbs/1000ft
Max Recommended Pulling Tension:	135 lbs
Min Bend Radius/Minor Axis:	3.25 in

## Standards

NEC Articles:	800, 760, 725
NEC/(UL) Specification:	CMG, FPL, PLTC-ER
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

## 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):	2006-11-08
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes - UL
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading
ISO/IEC Flammability:	IEC 60332-1-2
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	UPC
5140F1 0101000	Black	612825157151

Footnote:	C - CRATE REEL PUT-UP.
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## History

Update and Revision:	Revision Number: 0.224 Revision Date: 05-11-2020
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