

Part Number: 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:	Low Volatage, 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 Pairs
14	19x27	TC - Tinned Copper	1

Conductor Count:	2
Conductor Size:	14 AWG

Insulation

Material	Nominal Wall Thickness
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	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	16	(19x29)

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

Shielding:	Foil(s) or Copper Tape(s)
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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
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LS0H, 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	Footnote
5140F1 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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