



Product: [5240U1](#)

Security & Sound, #16-2c, TC, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 1-16 AWG stranded tinned copper pair with PVC insulation, Waterblocking tape, PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Wet Location, Below-Grade Duct
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
16	7x24	TC - Tinned Copper	1

Conductor Count: 2

Total Number of Pairs: 1

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

Color Chart

Number	Color
1	Black & Red

Outer Shield Material

Material
No Shield

Outer Shield Table Note: Waterblocking tape

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.249 in	0.037 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	3.4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance
4.4 Ohm/1000ft	4.4 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

33 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: 31 lbs/1000ft

Max Recommended Pulling Tension: 71 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

NEC Articles: 800, 760, 725

NEC/(UL) Specification: CMG, FPL, PLTC

CEC/C(UL) Specification: CMG

CPR Euroclass: Eca

Other Specification: PLTC-ER

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): 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 - Indoor: Yes

Suitability - Outdoor: Yes

Suitability - Sunlight Resistance: Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability: FT4

UL Flammability: UL1685 (FT4 Loading)

ISO/IEC Flammability: IEC 60332-1-2

IEEE Flammability: IEEE 1202

UL voltage rating: 300 V RMS

Plenum/Non-Plenum

Plenum (Y/N): No

Part Number**Variants**

Item #	Color	UPC
5240U1 0101000	Black	612825158721
5240U1 0021000	Red	612825158714

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.213 Revision Date: 04-28-2020

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