



**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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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	16 AWG	7x24	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black & Red

Waterblocking:	Waterblock Tape
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##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.289 in (7.34 mm)

Overall Cable Diameter (Nominal):	0.289 in (7.34 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Pair(s)	4.4 Ohm/1000ft (14 Ohm/km)	33 pF/ft (110 pF/m)

##### Voltage

UL Voltage Rating
300 V (CMG, FPL, PLTC-ER)

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

##### Bend Radius

Stationary Min.	Installation Min.
2.9 in (74 mm)	2.9 in (74 mm)

Max. Pull Tension:	71 lbs (32 kg)
Bulk Cable Weight:	38 lbs/1000ft (57 kg/km)

#### Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 760, Article 800, CMG, FPL, PLTC-ER
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	PLTC-ER

## History

Update and Revision:	Revision Number: 0.272 Revision Date: 04-08-2022
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## Part Numbers

### Variants

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

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