



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
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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History

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