



Product: [5240F1](#) 

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

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC, 1-16 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, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	16 AWG	7x24	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	0.0775 in (1.97 mm)	Black & Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Waterblocking:	Waterblock Tape
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Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.254 in (6.45 mm)

Overall Cable Diameter (Nominal):	0.254 in (6.45 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Pair(s)	4.4 Ohm/1000ft	76 pF/ft (250 pF/m)

Nom Outer Shield DCR@Cond DCR1-cnvt:	16.9 Ohm/1000ft (55.4 Ohm/km)
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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.
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2.5 in (64 mm)	2.5 in (64 mm)
Max. Pull Tension:	93 lbs (42 kg)
Bulk Cable Weight:	34 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEEE 1202
NEC / UL Compliance:	Article 725, Article 760, Article 800, CMG, FPL, PLTC
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)

History

Update and Revision:	Revision Number: 0.471 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	UPC	Footnote
5240F1 0021000	Black	612825158684	C
5240F1 0101000	Black	612825158691	C
Footnote:	C - CRATE REEL PUT-UP.		

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