

Product: 5202F1

Security & Sound, #16-4c, TC, Shielded, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-16 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy & Wet Location, Below-Grade Duct

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	4	16	7x24	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.007 in (0.18 mm)	0.073 in (1.9 mm)	Black, White, Red, Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (19x30) TC

Waterblocking:	Waterblock Tape

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Waterblocking Tape	PVC - Polyvinyl Chloride	0.042 in (1.1 mm)	0.295 in (7.49 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.35 Ohm/1000ft	43 pF/ft (140 pF/m)	9 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.95 in (74.9 mm)	2.95 in (74.9 mm)

Max. Pull Tension:	165 lbs (74.8 kg)
Bulk Cable Weight:	67 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	UL1685 FT4 loading, FT4, IEEE 1202 FT4
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)

History

Update and Revision:	Revision Number: 0.355 Revision Date: 01-11-2022

Part Numbers

Variants

Item #	Color	UPC
5202F1 0101000	Black	612825157892
5202F1 0021000	Red	612825157885

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