

Product: 5302F1

Security & Sound, #18-4c, TC, Shielded, CMG-FPL-PLTC-ER, Water-Blocked

Product Description

Security & Sound Cable, Rated-CMG-FPL-PLTC-ER, 4-18 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	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in (0.25 mm)	Black, White, Red, Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Waterblocking:	Waterblock Tape

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.037 in (0.94 mm)	0.259 in (6.58 mm)

Overall Cable Diameter (Nominal):	0.259 in (6.58 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond
Conductor(s)	6.6 Ohm/1000ft (22 Ohm/km)	40 pF/ft (130 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.

2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	102 lbs
Bulk Cable Weight:	45 lbs/1000ft (67 kg/km)

Standards and Compliance

Environmental Suitability:	Water Exposure/Below-Grade Conduit, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, IEEE 1202
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: 0.280 Revision Date: 12-15-2021

Variants

Item #	Color	Putup Type	Length	UPC
5302F1 0101000	Black	Reel	1,000 ft	612825159599
5302F1 0021000	Red	Reel	1,000 ft	612825159582

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