



Product: [5300F2](#)

Security & Sound, #18-2c BC, Shielded, CL3, FPL, PLTC, Water-Blocked Direct Burial

Product Description
Security & Sound Cable, Rated-CL3, 2-18 AWG PVC-Nylon insulation,100% Shielded, Waterblocking tape, PVC jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Wet Location, Direct Burial
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	18 AWG	7x26	BC - Bare Copper

Insulation

Material	Nom. Thickness	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	.020 in (0.51 mm)	Black, Red

Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Aluminum - Poly	100%	24 AWG (7x32) TC	100% Waterblocking Tape

Table Notes:	Waterblocking Tape
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Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	.040 in (1.0 mm)	.310 in (7.87 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
6.5 Ohm/1000ft (21 Ohm/km)	32 pF/ft (100 pF/m)	58 pF/ft (190 pF/m)

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-20°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
2.79 in (70.9 mm)	2.79 in (70.9 mm)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 760, CL3, FPL, PLTC
CEC / C(UL) Compliance:	CL3
TIA/EIA Compliance:	TIA455-82 Water Penetration Test
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.7 Revision Date: 07-11-2025
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