



**Product:** [5202F2](#)

Security & Sound, #16-4c BC, Shielded, CL3, FPL, PLTC, Water-Blocked Direct Burial

**Product Description**  
Security & Sound Cable, Rated-CL3, 4-16 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**

<b>Conductor</b>				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	16 AWG	7x24	BC - Bare Copper

<b>Insulation</b>		
Material	Nom. Thickness	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	.020 in (0.51 mm)	Black, Red, Blue, Brown

<b>Outer Shield</b>				
Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC	100% Waterblocking Tape
Waterblocking:		Waterblock Tape		

<b>Outer Jacket</b>			
Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	.040 in (1.0 mm)	.415 in (10.5 mm)	Yes

**Electrical Characteristics**

<b>Electricals</b>		
Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)
4.2 Ohm/1000ft (14 Ohm/km)	37 pF/ft (120 pF/m)	67 pF/ft (220 pF/m)

<b>Voltage</b>	
UL Voltage Rating	
300 V RMS	

**Mechanical Characteristics**

<b>Temperature</b>	
UL Temperature	Operating
90°C	-20°C To +90°C

Table Notes:	Waterblocking Tape
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<b>Bend Radius</b>	
Stationary Min.	
3.74 in (95.0 mm)	

Max. Pull Tension:	152 lbs (68.9 kg)
Bulk Cable Weight:	89 lbs (40 kg)

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, 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: 0.5 Revision Date: 07-11-2025
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