



Product: [5300F1](#)

Security & Sound, #18-2c, TC, Shielded, CM, Water-Blocked

Product Description

Security & Sound Cable, Rated-CM, 2-18 AWG stranded tinned copper conductors with PVC insulation, waterblocking tape, Beldfoil® shield and PVC jacket with ripcord

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	Number of Element	AWG	Stranding	Material
Conductor(s)	2	18	7x26	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.010	Black, Red

Outer Shield Material

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

Waterblocking:	Waterblock Tape
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Outer Jacket Material

Material	Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.025 in	0.222 in	Yes

Cable Diameter (Nominal):	0.222 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	6.5 Ohm/1000ft	65 pF/ft	117 pF/ft	5 Amps per conductor @ 25°C

Nom Outer Shield DCR:	16.9 Ohm/1000ft
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Voltage

UL Voltage Rating
300 V (CM)

Mechanical Characteristics

Temperature

UL Rating	Operating
105°C	-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
2.25 in	2.2 in

Max. Pull Tension:	58 lbs
Bulk Cable Weight:	27 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	UL1685 (UL Loading), IEC 60332-1-2
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.265 Revision Date: 08-25-2020
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