



Product: [6304FE](#)

Security & Sound, #18-6c, BC, Shielded, CMP

Product Description

Security & Sound Cable, Plenum-CMP, 6-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls, Noisy Environment
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	6	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	Black, Red, White, Green, Brown, Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.015 in (0.38 mm)	0.226 in (5.74 mm)	Yes

Overall Cable Diameter (Nominal):	0.226 in (5.74 mm)
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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 (21 Ohm/km)	42 pF/ft (140 pF/m)	76 pF/ft (250 pF/m)	3.5 Amps per conductor @ 25°C

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C to +75°C

Bend Radius

Stationary Min.	Installation Min.

2.3 in (58 mm)	2.3 in (58 mm)
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Max. Pull Tension:	148 lbs
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Bulk Cable Weight:	46 lbs/1000ft (68 kg/km)
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Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
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Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), IEC 60332-1-2
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CPR Compliance:	CPR Euroclass: Eca
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NEC / UL Compliance:	Article 800, CMP
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CEC / C(UL) Compliance:	CMP
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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)
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APAC Compliance:	China RoHS II (GB/T 26572-2011)
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Non-Plenum Number:	5304FE
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History

Update and Revision:	Revision Number: 0.301 Revision Date: 12-15-2021
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Variants

Item #	Color	UPC
6304FE 8771000	Natural	612825175483
6304FE 877C250	Natural	
6304FE 877U500	Natural	612825175476
6304FE 0071000	Violet	612825175469

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