



Product: [6301FE](#) 

Security & Sound, 3 Conductor 18 AWG, BC, Shielded, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 3-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

Technical Specifications

Product Overview

Suitable Applications:	Security Systems, Intercom/PA Systems, Sound/Audio Systems, Power Limited Controls
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.009 in (0.23 mm)	0.061 in (1.5 mm)	Black, Red, White

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)	0.172 in (4.37 mm)	Yes

Overall Cable Diameter (Nominal):	0.172 in (4.37 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)	6.4 Ohm/1000ft	49.5 pF/ft (162 pF/m)	89 pF/ft (290 pF/m)	14 Amps per conductor @ 25°C

Nom Outer Shield DCR:	15.9 Ohm/1000ft (52.2 Ohm/km)
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Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
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1.7 in (43 mm)	1.7 in (43 mm)
Max. Pull Tension:	73 lbs (33 kg)
Bulk Cable Weight:	26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, UL 910 (Plenum), FT6, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, 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)
Non-Plenum Number:	5301FE

History

Update and Revision:	Revision Number: 0.519 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
6301FE 877U500	Natural	UnReel	500 ft	612825423706	
6301FE 8771000	Natural	Reel	1,000 ft	612825175155	C
6301FE 877U1000	Natural	UnReel	1,000 ft	612825175162	
6301FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825175193	
Footnote:	C - CRATE REEL PUT-UP.				

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