

Product: 6300FE

Security & Sound, #18-2c, BC, O/A Foil, CMP

Product Description

Security & Commercial Audio Cable, Plenum-CMP, 2-18 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, Noisy Environment

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	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)	0.064 in (1.6 mm)	Black, Red

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)	0.162 in (4.11 mm)	Yes

Overall Cable Diameter (Nominal):	0.162 in (4.11 mm)

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 (21 Ohm/km)	70 pF/ft (230 pF/m)	126 pF/ft (413 pF/m)	5 Amps per Conductor at 25ºC

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.
1.6 in (41 mm)	1.6 in (41 mm)

Max. Pull Tension:	57 lbs
Bulk Cable Weight:	21 lbs/1000ft (31 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor - Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262, 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 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Non-Plenum Number:	5300FH

History

Update and Revision:	Revision Number: 0.366 Revision Date: 12-15-2021

Variants

Item #	Color	Putup Type	Length	UPC
6300FE 010Z500	Black	ReelTuff Box	500 ft	
6300FE 010U1000	Black	UnReel	1,000 ft	612825423201
6300FE 0101000	Black	Reel	1,000 ft	612825174721
6300FE 010Z1000	Black	ReelTuff Box	1,000 ft	612825174752
6300FE D151000	Blue	Reel	1,000 ft	612825174776
6300FE 008U1000	Gray	UnReel	1,000 ft	612825423188
6300FE 008Z1000	Gray	ReelTuff Box	1,000 ft	612825350613
6300FE 0051000	Green, Dark	Reel	1,000 ft	612825350606
6300FE 877500	Natural	Reel	500 ft	612825174738
6300FE 877U500	Natural	UnReel	500 ft	612825423218
6300FE 8771000	Natural	Reel	1,000 ft	612825174769
6300FE 877U1000	Natural	UnReel	1,000 ft	612825174745
6300FE 877Z1000	Natural	ReelTuff Box	1,000 ft	612825350699
6300FE 0021000	Red	Reel	1,000 ft	612825350576
6300FE 0071000	Violet	Reel	1,000 ft	612825174684
6300FE 009U250	White	UnReel	250 ft	612825174714
6300FE 009U500	White	UnReel	500 ft	612825423195
6300FE 009U1000	White	UnReel	1,000 ft	612825174707
6300FE 0091000	White	Reel	1,000 ft	612825174691
6300FE 009Z1000	White	ReelTuff Box	1,000 ft	612825350620
6300FE 0041000	Yellow	Reel	1,000 ft	612825350583

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