# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 6309FE Multi-Conductor - Commercial Applications



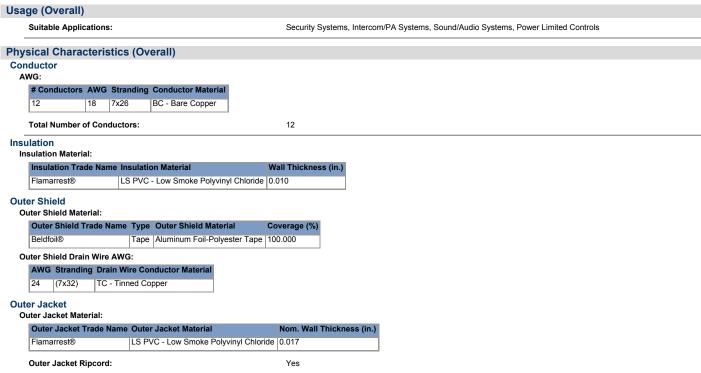
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#### **General Description:**

Security & Alarm Cable, Plenum-CMP, 12-18 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord



### Overall Cable

Overall Cabling Color Code Chart:

Number	Color		
1	Black		
2	Red		
3	White		
4	Green		
5	Brown		
6	Blue		
7	Orange		
8	Yellow		
9	Purple		
10	Gray		
11	Pink		
12	Tan		

Overall Nominal Diameter: 0.312 in.

Mechanical Characteristics (Overall)	
Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	91.100 lbs/1000 ft.
Max. Recommended Pulling Tension:	282.800 lbs.

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Min. Bend Radius/Minor Axis: 3.125 in. Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & Environmental Programs** NEC/(UL) Specification: NEC Articles: 800 CEC/C(UL) Specification: CMP EU Directive 2011/65/EU (ROHS II): Yes EU CE Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): Yes EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): MII Order #39 (China RoHS): Yes Flame Test **UL Flame Test: NFPA 262** C(UL) Flame Test: Suitability Suitability - Indoor: Yes Plenum/Non-Plenum Plenum (Y/N):

5309FE

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Plenum Number:

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 13.100

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

10C Temperature Rise 3.5 Amps per conductor @ 25°C ambient

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6309FE 8771000	1,000 FT	99.000 LB	NATURAL	С	12 #18 FLRST FS FLRST
6309FE 877500	500 FT	50.500 LB	NATURAL		12 #18 FLRST FS FLRST

Notes: C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 01-19-2015

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