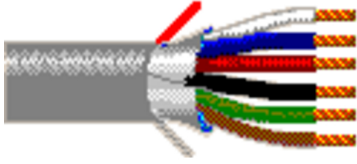


**Part Number: 6306FE**



**Security & Sound, #18-8c, BC, Shielded, CMP**

**Product Description**

Security & Sound Cable, Plenum-CMP, 8-18 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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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Pairs
18	7x26	BC - Bare Copper	8

Conductor Count:	8
Total Number of Pairs:	8
Conductor Size:	18 AWG

**Insulation**

Material	Material Trade Name	Nominal Wall Thickness
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.009 in

**Color Chart**

Number	Color
1	Black
2	Red
3	White
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow

**Outer Shield Material**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	Solid

**Outer Jacket Material**

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.246 in	0.015 in	Yes

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	13.1 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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42 pF/ft	76 pF/ft
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Shielding:	Foil(s) or Copper Tape(s)
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#### Current

Element	Max. Recommended Current [A]
10C Temperature Rise	Per conductor @ 25°C: 3.5 A

#### Voltage

<b>UL Voltage Rating</b>
300 V RMS

#### Temperature Range

UL Temp Rating:	75°C
Operating Temp Range:	0°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	60.7 lbs/1000ft
Max Recommended Pulling Tension:	193.2 lbs
Min Bend Radius/Minor Axis:	2.5 in

#### Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262 Plenum Flame Test (UL910)
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
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#### Part Number

Non-Plenum Number:	5306FE
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#### Variants

Item #	Color	Footnote
6306FE 8771000	Natural	C

Footnote:	C - CRATE REEL PUT-UP.
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