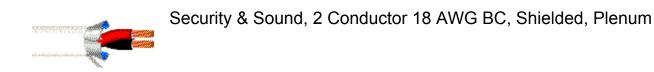


# Part Number: 6300FC



# Product Description

Security, Pro Audio & Intercom Cable, 2 Conductor 18 AWG stranded (7x26) bare copper conductors with FEP insulation, Beldfoil® shield, Plenum, Flamarrest® jacket with ripcord.

## **Technical Specifications**

# **Product Overview**

Environmental Space:	Indoor - Plenum
Suitable Applications:	Pro Audio, Intercom/PA Systems, Security Systems

# **Physical Characteristics (Overall)**

### Conductor

AWG	Stranding	Material	No. of Conductors
18	7x26	BC - Bare Copper	2
Condu	uctor Count:		
Condu	uctor Size:		

### Insulation

Material	Nominal Wall Thicknes
FEP - Fluorinated Ethylene Propylene	0.006 in

### Color Chart

Number	Color
1	Black
2	Red

### **Outer Shield Material**

Туре	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.155 in	0.0165 in	Yes

# **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
6.5 Ohm/1000ft	7.3 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield	
57 pF/ft	102.6 pF/ft	
Shielding:		Foil(s) or Copper Tape(s)

#### Inductance

Nominal Inductance
0.15 µH/ft

### Impedance

Nominal Characteristic Impedance

29 Ohm

# Delay

 Nominal Delay
 Nominal Velocity of Propagation (VP) [%]

 1.47 ns/ft
 62 %

#### Current

Max. Recommended Current [A]

# 5 Amps per conductor @ 25°C

### Voltage

UL Voltage Rating 300 V RMS

# **Temperature Range**

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

# **Mechanical Characteristics**

Bulk Cable Weight:	19.5 lbs/1000ft
Max Recommended Pulling Tension:	57 lbs
Min Bend Radius/Minor Axis:	1.6 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 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

# Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262
UL voltage rating:	300 V RMS

# Plenum/Non-Plenum

Plenum (Y/N):	Yes
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# Part Number

Variants		
Item #	Color	Footnote
6300FC 8771000	Natural	С
6300FC 877U1000	Natural	
Footnote:		

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