

## Part Number: 6300FC

### Security & Sound, 2 Conductor 18 AWG BC, Shielded, Plenum



#### 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

Conductor Count:	2
Conductor Size:	18 AWG

###### Insulation

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

###### Color Chart

Number	Color
1	Black
2	Red

###### 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	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:	Multiple or Specialty
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###### 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, LSOH, 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	C
6300FC 877U1000	Natural	

Footnote: C - CRATE REEL PUT-UP.

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