

## 6300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



### Description:

18 AWG bare copper conductors, Flamarrest® insulation, conductors cabled, Flamarrest® jacket with ripcord, sequential footage marking every two feet.

### Usage (Overall)

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	18	7x26	BC - Bare Copper

#### Insulation

**Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.008

#### Outer Shield

**Outer Shield Material:**

Outer Shield Material
Unshielded

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	.015

**Outer Jacket Ripcord:** Yes

#### Overall Cabling

**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
3.5	3.4

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 0.154 in.

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** 0°C To +75°C

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 16 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 45 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 1.550 in.

## 6300UE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP
NEC Articles:	800
CEC/C(UL) Specification:	CMP
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):	Yes
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	NFPA 262
C(UL) Flame Test:	FT6

#### Plenum/Non-Plenum

Plenum (Y/N):	Yes
Non-Plenum Number:	5300UE

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.15

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

34.000

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

5 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300UE 004U1000	1,000 FT	18.000 LB	YELLOW		2 #18 FLRST FLRST
6300UE 008U1000	1,000 FT	14.000 LB	GRAY		2 #18 FLRST FLRST
6300UE 008U500	500 FT	7.500 LB	GRAY		2 #18 FLRST FLRST
6300UE 0081000	1,000 FT	14.000 LB	GRAY	C	2 #18 FLRST FLRST
6300UE 009U1000	1,000 FT	18.000 LB	WHITE		2 #18 FLRST FLRST
6300UE 010U1000	1,000 FT	18.000 LB	BLACK		2 #18 FLRST FLRST
6300UE 010U500	500 FT	9.500 LB	BLACK		2 #18 FLRST FLRST
6300UE 0101000	1,000 FT	18.000 LB	BLACK	C	2 #18 FLRST FLRST
6300UE 0105000	5,000 FT	90.000 LB	BLACK		2 #18 FLRST FLRST
6300UE 877U1000	1,000 FT	18.000 LB	NATURAL		2 #18 FLRST FLRST

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6300UE 877U500	500 FT	9.500 LB	NATURAL		2 #18 FLRST FLRST
6300UE 8771000	1,000 FT	18.000 LB	NATURAL	C	2 #18 FLRST FLRST
6300UE 877500	500 FT	9.000 LB	NATURAL		2 #18 FLRST FLRST

**Notes:**

C = CRATE REEL PUT-UP.

# Audio Cable

Commercial Audio Systems  
Unshielded, Plenum-Rated



## Unshielded Multi-conductor

CMP FT6 Rated or CL2P Rated

### Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

**Color Code:** See chart below.

### Specifications

<b>Conductor</b>	Bare Copper
<b>Insulation</b>	Flamarrest
<b>Insulation Thickness</b>	
22 to 16 AWG	.009" (.229mm)
14 to 10 AWG	.011" (.279mm)
<b>Jacket</b>	Flamarrest
<b>Approvals</b>	
NEC (22 to 16 AWG)	CMP
CEC (22 to 16 AWG)	CMP FT6
NEC (14 to 10 AWG)	CL2P
<b>NEC Articles</b>	
22 to 16 AWG	800
14 to 10 AWG	725
<b>Voltage Rating</b>	
22 to 16 AWG	300V
14 to 10 AWG	150V
<b>Temperature Rating</b>	75°C

### Applications

- Intercom/PA Systems
- Sound/Audio Systems

### Solid Conductor



### Stranded Conductor



### Color Code Chart

(22 to 16 AWG)

(14 to 10 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	1	Black
2	Red	2	White
3	White	3	Red

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

### Unshielded Multi-conductor (NEC CMP and CEC CMP FT6)

22 AWG										
6520UE	2	solid	U-1000 1000	U-305 305	10.0 9.0	4.5 4.1	.015	.38	.118	3.00
6500UE	2	7	C-500 C-1000 U-1000 1000	C-152 C-305 U-305 305	4.5 9.0 10.0 10.0	2.0 4.1 4.5 4.5	.015	.38	.124	3.15
6521UE	3	solid	1000	305	13.0	5.9	.015	.38	.125	3.18
6501UE	3	7	U-1000 1000	U-305 305	14.0 13.0	6.4 5.9	.015	.38	.131	3.33
20 AWG										
6400UE	2	7	C-500 500 U-1000 1000	C-152 152 U-305 305	6.0 7.0 14.0 14.0	2.7 3.2 6.4 6.4	.015	.38	.138	3.51
6401UE	3	7	U-1000 1000 5000	U-305 305 1524	19.0 18.0 90.0	8.6 8.2 40.9	.015	.38	.146	3.71
18 AWG										
6320UE	2	solid	U-1000	U-305	17.0	7.7	.015	.38	.147	3.73
6300UE	2	7	C-500 U-500 500 U-1000 1000 5000	C-152 U-152 152 U-305 305 1524	8.0 9.5 9.0 18.0 18.0 90.0	3.6 4.3 4.1 8.2 8.2 40.9	.015	.38	.157	3.99
6321UE	3	solid	U-1000 1000	U-305 305	24.0 24.0	10.9 10.9	.015	.38	.156	3.96
6301UE	3	7	500 U-1000 1000	152 U-305 305	12.5 25.0 25.0	5.7 11.4 11.4	.015	.38	.168	4.27
16 AWG										
6200UE	2	19	500 U-1000 1000	152 U-305 305	13.0 25.0 26.0	5.9 11.3 11.8	.015	.38	.180	4.57
6201UE	3	19	500 U-1000 1000	152 U-305 305	18.0 36.0 37.0	8.2 16.4 16.8	.015	.38	.191	4.85

### Unshielded Multi-conductor (NEC CL2P)

14 AWG										
6100UE	2	19	500 U-1000 1000 5000	152 U-305 305 1524	19.5 38.0 38.0 195.0	8.9 17.2 17.2 88.5	.015	.38	.222	5.64
6101UE	3	19	1000	305	56.0	25.4	.015	.38	.236	5.99
12 AWG										
6000UE	2	19	500 1000	152 305	32.0 58.0	14.5 26.4	.015	.38	.256	6.50
6001UE	3	19	1000	305	83.0	37.7	.015	.38	.273	6.93
10 AWG (For Audio Use Only)										
6T00UP	2	65	1000	305	85.0	38.6	.015	.38	.308	7.82