

## 6300FC Multi-Conductor - Pro Audio and Intercom System - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### Description:

18 AWG bare copper conductors, FEP insulation, cabled with a Beldfoil® shield tape and drain wire, Flamarrest® jacket.

### Usage (Overall)

**Suitable Applications:** Pro Audio, Intercom/PA Systems, Security Systems

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

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

**Total Number of Conductors:** 2

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

#### Outer Shield

**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
20	7x28	TC - Tinned Copper

#### Outer Jacket

**Outer Jacket Material:**

Outer Jacket Trade Name	Outer Jacket Material	Nom. Wall Thickness (mm)
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.4191

**Outer Jacket Ripcord:** Yes

### Overall Cable

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	Red

**Overall Nominal Diameter:** 3.937 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 29.020 Kg/Km

**Max. Recommended Pulling Tension:** 253.547 N

**Min. Bend Radius/Minor Axis:** 40.640 mm

## 6300FC Multi-Conductor - Pro Audio and Intercom System - 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
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)

29

#### Nom. Inductance:

Inductance (µH/m)

0.49215

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

187.017

#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

336.631

#### Nominal Velocity of Propagation:

VP (%)

62

#### Nominal Delay:

Delay (ns/m)

0.482307

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

## METRIC MEASUREMENT VERSION

### 6300FC Multi-Conductor - Pro Audio and Intercom System - 2 Conductors Cabled

#### Current

5 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
6300FC 877U1000	305 MT	9.979 KG	NATURAL		2 #18 FEP FS FLMRST
6300FC 8771000	305 MT	9.979 KG	NATURAL	C	#18 FEP FS FLMRST

#### Notes:

C = CRATE REEL PUT-UP.

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