# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



# 6100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information please call

1-800-Belden1



# **General Description:**

Security & Commercial Audio Cable, Plenum-CL2P, 2-14 AWG stranded bare copper conductors with Flamarrest® insulation, Beldfoil® shield and Flamarrest® jacket with ripcord

## **Usage (Overall)**

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

# **Physical Characteristics (Overall)**

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	14	19x27	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

#### **Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)	
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.279	

#### **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	<b>Drain Wire Conductor Material</b>
22	Solid	TC - Tinned Copper

#### **Outer Jacket**

#### **Outer Jacket Material:**

<b>Outer Jacket Trade Name</b>	Outer Jacket Material	Nom. Wall Thickness (mm)		
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride	0.381		

Outer Jacket Ripcord: Yes

## **Overall Cable**

#### Overall Cabling Lay Length & Direction:

**Length (mm) Twists (twist/m)** 69.849725 | 14.4364

## **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White

Overall Nominal Diameter: 5.588 mm

# **Mechanical Characteristics (Overall)**

UL Temperature Rating:	75°C
Bulk Cable Weight:	68.904 Kg/Km
Max. Recommended Pulling Tension:	557.804 N

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	Min. Bend Radius/Minor Axis:	58.420 mm				
App	Applicable Specifications and Agency Compliance (Overall)					
App	Applicable Standards & Environmental Programs					
	NEC/(UL) Specification:	CL2P				
	NEC Articles:	725				
	EU Directive 2011/65/EU (ROHS II):	Yes				
	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				
Fla	me Test					
	UL Flame Test:	NFPA 262				
Sui	tability					
_	Suitability - Indoor:	Yes				
Ple	num/Non-Plenum					
	Plenum (Y/N):	Yes				

5100FE

## **Electrical Characteristics (Overall)**

Non-Plenum Number:

Nom. Inductance:

Inductance (μH/m) 0.475745

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 278.885

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 501.993

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 8.33374

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 32.810

Max. Operating Voltage - UL:

Voltage 150 V RMS

Max. Recommended Current:

| Description | Current | 10C Temperature Rise | 8 Amps per conductor @ 25°C ambient

# **Put Ups and Colors:**

Item # Putup Ship Weight	Color	Notes Item Desc	
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6100FE 877U1000	305 MT	22.226 KG	NATURAL		2 #14 FLRST FS FLRST
6100FE 8771000	305 MT	23.133 KG	NATURAL	С	2 #14 FLRST FS FLRST
6100FE 877500	152 MT	11.340 KG	NATURAL		2 #14 FLRST FS FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-16-2013

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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