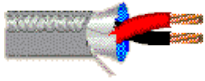


## 5000FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1



### General Description:

Security & Commercial Audio Cable, Riser-CL3R-FPLR, 2-12 AWG stranded bare copper conductors with Polyolefin insulation, Beldfoil® shield and PVC jacket with ripcord

### Usage (Overall)

Suitable Applications: Intercom/PA Systems, Sound/Audio Systems, Fire Alarm Systems (For color Red only)

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	12	19x25	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	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	Drain Wire Conductor Material
20	(7x28)	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)	Direction	Twists (twist/m)
88.900	Left Hand	11.155

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 6.706 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 93.013 Kg/Km

Max. Recommended Pulling Tension: 811.352 N

Min. Bend Radius/Minor Axis: 66.675 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL3R, FPLR

NEC Articles: 725, 760

## METRIC MEASUREMENT VERSION

### 5000FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

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

#### Flame Test

UL Flame Test:	UL1666 Vertical Shaft
CSA Flame Test:	FT4

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6000FE

#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance ( $\mu\text{H/m}$ )
0.459

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
209.984

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

Capacitance (pF/m)
378.135

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
5.2496

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
23.295

##### Max. Operating Voltage - UL:

Voltage
300 V RMS

##### Max. Recommended Current:

Description	Current
10C Temperature Rise	12 Amps per conductor @ 25°C ambient

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5000FE 0021000	1,000 FT	59.000 LB	RED	C	2 #12 PP FS FRPVC
5000FE 0081000	1,000 FT	59.000 LB	GRAY	C	2 #12 PP FS FRPVC
5000FE 008500	500 FT	29.500 LB	GRAY	C	2 #12 PP FS FRPVC

##### Notes:

C = CRATE REEL PUT-UP.

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METRIC MEASUREMENT VERSION

## 5000FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled

product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.