

## 5100FE Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled



For more Information  
please call

1-800-Belden1

**Description:**

14 AWG bare copper conductors, PP insulation, conductors cabled, Beldfoil® shield tape (foil side out) with drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

**Usage (Overall)**

**Suitable Applications:** Intercom/PA Systems, Sound/Audio Systems, Fire Alarm 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 Material	Wall Thickness (in.)
PP - Polypropylene	0.011

**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
22	7x30	TC - Tinned Copper

**Outer Jacket**

**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.017

**Outer Jacket Ripcord:** Yes

**Overall Cable**

**Overall Cabling Lay Length & Direction:**

Length (in.)
2.75

**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White

**Overall Nominal Diameter:** 0.222 in.

**Mechanical Characteristics (Overall)**

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

**UL Temperature Rating:** 75°C

**Bulk Cable Weight:** 45.800 lbs/1000 ft.

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Max. Recommended Pulling Tension:	125.400 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CL3R, FPLR
NEC Articles:	725 or 760
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

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	6100FE

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)
.15

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
54.000

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

Capacitance (pF/ft)
97.250

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.54

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.000

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
8 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5100FE 0021000	1,000 FT	38.000 LB	RED	C	2 #14 PP FS FRPVC
5100FE 008U1000	1,000 FT	38.000 LB	GRAY		2 #14 PP FS FRPVC

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5100FE 0081000	1,000 FT	38.000 LB	GRAY	C	2 #14 PP FS FRPVC
5100FE 008500	500 FT	19.500 LB	GRAY		2 #14 PP FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3      Revision Date: 08-22-2012

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