

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 (For color Red only)

Physical Characteristics (Overall)**Conductor****AWG:**

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

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.
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Min. Bend Radius (Install)/Minor Axis:	2.250 in.
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL3R, FPLR
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NEC Articles:	725 or 760
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1666 Vertical Shaft
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CSA Flame Test:	FT4
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Plenum/Non-Plenum

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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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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
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: 06-16-2008

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