


5100FE Non-Paired - Commercial Audio Systems - 2 Conductors Cabled

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

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

SUITABLE APPLICATIONS:

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

CONDUCTOR:

Number of Conductors	2
Total Number of Conductors	2
AWG	14
Stranding	19x27
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.014 in.

OVERALL CABLING:

Overall Cabling Lay Length	2.75 in.
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Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	2	White

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold
Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	16
Outer Shield Drain Wire Stranding	19x29
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

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Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.015 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.238 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
UL Temperature Rating	75°C
Bulk Cable Weight	45.8 lbs/1000 ft.
Max. Recommended Pulling Tension	125.4 lbs.
Min. Bend Radius (Install)	2.4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL3R, FPLR
NEC Articles	725 or 760
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

UL Flame Test	UL1666 Vertical Shaft
CSA Flame Test	FT4

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	6100FE

ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.15 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	83 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	149.4 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	2.54 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.44 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	8 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
5100FE 0021000	2 #14 PVC FS FRPVC	1000	51	RED	C

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5100FE 0081000	2 #14 PVC FS FRPVC	1000	50	GRAY	C
5100FE 008500	2 #14 PVC FS FRPVC	500	25.5	GRAY	
5100FE 008U1000	2 #14 PVC FS FRPVC	U1000	49	GRAY	

C = CRATE REEL PUT-UP.

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