

5100FE 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, 2-14 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
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	
Outer Shield Drain Wire AWG: AWG Stranding Drain Wire Conductor Material	
22 7x#30 TC - Tinned Copper	
Outer Jacket	
Outer Jacket Material:	
Outer Jacket Material Nom. Wall Thickness (in.) PVC - Polyvinyl Chloride 0.017	
	Ver
Outer Jacket Ripcord:	Yes
Overall Cable Overall Cabling Lay Length & Direction:	
Length (in.) Direction Twists (twist/ft)	
2.750 Left Hand 4.400	
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.
Max. Recommended Pulling Tension:	125.400 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.
Applicable Specifications and Agency Compliance (Overall)
Applicable Standards & Environmental Programs	
NEC/(UL) Specification:	CL3R, FPLR
NEC Articles:	725, 760

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

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EU Directive 2011HoseEu (HCMPS HI): Yes EU CE Mark: Yes EU Directive 2002HSEC (ELV): Yes EU Directive 2002HSEC (ELV): Ves EU Directive 2002HSEC (MEEE): Yes EU Directive 2002HSEC (MEEE): Yes EU Directive 2002HSEC (MEEE): Yes MI Order #39 (China RoHS): Yes MI Order #39 (China RoHS): Yes Stability Yes Stability Ut 1866 Verical Shaft CSA Prop & Clon Wide & Cable): Yes Pleum Non-Pleum F14 Stability No Stability No Pleum Non-Pleum 100FE Pleum Number: 0100FE Ves Stability Nom: Inductance (pHT) No Nom: Capacitance (pHT) No Nom: Capacitance (pHT) No Stability Nom Compacitor & Shalds Stability Nom Compacitor & Shalds Nom: Capacitance (pHT) Nom Compacitor & Shalds Stability Nom Compacitor & Shalds Stability Nom Compacitor & Shalds Nom: Capacitance (pHT) Nom Compacitor & Shalds Stability Nom Compacitor & Shalds Stability Stability Stability		
EU Directive 2000/SSEC (ELV): Yes EU Directive 2000/SSEC (RoHS): Yes EU RoHS Compliance Data (mm/ddyyyy): 04/01/2005 EU Directive 2000/SSEC (WEEE): Yes EU Directive 2000/SSEC (WEEE): Yes EU Directive 2000/SSEC (WEEE): Yes MIL Order #39 (China RoHS): Yes Flame Test: UL 1666 Vertical Shaft GA Prop 65 (China RoHS): Yes Suitability Statubility - Indoor: Suitability Yes Plenum/YROn-Plenum Yes Plenum (YM): No Inductance: Statubility Inductance: Statubility <td< th=""><th>EU Directive 2011/65/EU (ROHS II):</th><th>Yes</th></td<>	EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (C) for Wire & Cable): Yes MI Order #39 (China RoHS): Yes MI Drective 2003/11/EC (BFR): Yes MI Order #39 (China RoHS): Yes MI Drective 2003/11/EC (BFR): Ves MI Order #39 (China RoHS): Yes Flame Test: UL 1666 Vertical Shaft Solitability - Indoor: Yes Solitability - Indoor: Yes Plenum/Non-Plenum 100FE Plenum/Non-Plenum 100FE Plenum (YN): No Plenum (YM): No Inductance (IHT) 100FE Nom. Capacitance (GrHD) Solitability Solitability Solitability <th>EU CE Mark:</th> <th>Yes</th>	EU CE Mark:	Yes
EU RoHS Compliance Date (mm/ddyyyy): 04/01/2005 EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/11/EC (BFR): Yes EU Directive 2002/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes IU Flamm Test: VI. UL Flam Test: UL 1666 Vericial Shaft CSA Flame Test: UL 1666 Vericial Shaft Suitability - Indoor: Yes Plenum N/noh-Plenum Yes Plenum N/noh-Plenum 100FE Plenum N/mber: 0100FE Conductor Conductor to Conductor: 5////////////////////////////////////	EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoH5): Yes Flame Test: UL fame Test: UL Flame Test: UL foldo Verical Shaft CSA Flame Test: F14 Suitability Yes Binum Non-Plenum Plenum Number: Plenum Number: 6100FE Electrical Characteristics (Overall) Nom. Logacitance Conductor to Conductor: Capacitance Conductor to Conductor & Shield: Capacitance Conductor to Conductor & Shield: Capacitance (PfH) 72.50 Nominal Outer Shield DC Resistance: Dick gaz Grounford Dil 2.54 Nominal Outer Shield DC Resistance: Dick gaz Grounford Dil 10.000 Max. Operating Voltage - UL:	EU Directive 2002/95/EC (RoHS):	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 1666 Verical Shaft CSA Flame Test: UL 1666 Verical Shaft Suitability F14 Suitability Yes Plenum/Non-Plenum Yes Plenum/Non-Plenum 6100FE Nom. Inductance: 6100FE Muchance: Inductance (pFff) Suitability No Suitability Suitability Suitability No Plenum Number: 6100FE Nom. Inductance (pFff) Suitability Suitability No Suitability Suitability Suitability Suitability Suitability No Plenum Number: Suitability Muchance: Suitability Suitability No Suitability Suitability Suitability Suitability Suitability No Plenum Number: Suitability Suitability Suitability Suitability Suitability Suitability Suitability Suitability Suitability Suitability	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
CA Prop 65 (CJ for Wire & Cable): Yes MIL Order #39 (China RoHS): Yes Flame Test: UL 1666 Vertical Shaft Sutability. FT4 Sutability. Yes Plenum YNN: Yes Plenum YNN: No Sutability - Inductance: Inductance (pH/H) 15 Sutability - Inductance: Supacitance Conductor to Conductor: Supacitance (pF/H) 54.000 Sutability - Inductance: Supacitance (pF/H) Sutability - Inductor Subility - Inductor to Conductor & Shield: Supacitance Conductor to Conductor & Shield: Supacitance (pH/H) 1000 Nom:: Capacitance (pF/H) 2.54 Nom:: Conductor C Resistance: Nom:: Capacitance (pF/H) Sutability - Inductance: 2.54 Nom:: Conductor Shie	EU Directive 2002/96/EC (WEEE):	Yes
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Flame Test: UL 1866 Vertical Shaft CSA Flame Test: FT4 Suitability Yes Vitability - Indoor: Yes Plenum (Y/N): No Plenum (Y/N): 6100FE Electrical Characteristics (Overall) Nom. Inductance: Inductance (pH/ft) 15 Sutoutor to Conductor to Conductor: Capacitance (pF/ft) Sutoutor DC Resistance: Vertical Characteristics (Overall) Nom: conductor DC Resistance: Vertical Capacitance (pF/ft) Sutoutor DC Resistance: Vertical Characteristics (DVertical Shield: Capacitance (pF/ft) Status Nom: Conductor DC Resistance: Vertical Characteristics Vortinal Outer Shield DC Resistance: Vertical Characteristics Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance: Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance: Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance: Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance: Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance: Vortinal Outer Shield DC Resistance: Vertical Shield DC Resistance:	CA Prop 65 (CJ for Wire & Cable):	Yes
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CSA Flame Test: F14 Suitability Suitability Suitability Nem Plenum (V/N): No Plenum (V/N): No Plenum Number: 6100FE Etectrical Characteristics (Overall) Nom. Nom. Inductance (µH/ft) 15 Inductance (µH/ft)	Flame Test	
Suitability Yes Plenum/Non-Plenum Non Plenum (YiN): No Plenum Number: 0100FE Etectrical Characteristics (Overall) Non. Nom. Inductance: Inductance (pf/ft) 15 Sapacitance (pf/ft) 54.000 Nom. Capacitance (pf/ft) Sum. Capacitance (pf/ft) Sapacitance (pf/ft) 54.000 Nom. Conductor to Conductor & Shield: Capacitance (pf/ft) Sapacitance (pf/ft) Sum. Conductor DC Resistance: Version DCR @ 20°C (Ohm/1000 ft) Stield DC Resistance: DCR @ 20°C (Ohm/1000 ft) Stield UC Resistance: Max. Operating Voltage - UL: Voltage	UL Flame Test:	UL1666 Vertical Shaft
Suitability - Indoor: Yes Plenum/Non-Plenum No Plenum Number: 6100FE Electrical Characteristics (Overall) No Nom. Inductance (µH/ft) 15 Nom. Capacitance (pF/ft) Salactance (pF/ft) Solactance (pF/ft) Salactance (pF/ft) Nom. Capacitance (pF/ft) Salactance (pF/ft) Nom. Capacitance (pF/ft) Salactance (pF/ft) Nom. Conductor DC Resistance: Salactance (pF/ft) Nom. Conductor Shield DC Resistance: Salactance (pF/ft) <t< th=""><th>CSA Flame Test:</th><th>FT4</th></t<>	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 State Nom. Capacitance (pF/ft) State 97.250 State Nom. Conductor DC Resistance: Conductor (On the Conductor E Shield: 2.54 State Nominal Outer Shield DC Resistance: Conductor E Shield: DCR @ 20°C (Ohm/1000 ft) State 10:000 Max. Operating Voltage - UL: Voltage UL:	Suitability	
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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 & 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) 10:00 Max. Operating Voltage - UL: Voltage	Plenum/Non-Plenum	
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Nom. Inductance: Inductance (µH/ft) .15 .15 Nom. Capacitance Conductor to Conductor: Capacitance (pF/ft) 54.000 .00 ther Conductor & Shield: Capacitance (pF/ft)	Plenum Number:	6100FE
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Max. Recommended Current:	300 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
5100FE 0021000	1,000 FT	39.000 LB	RED	С	2 #14 PP FS FRPVC
5100FE 008U1000	1,000 FT	39.000 LB	GRAY		2 #14 PP FS FRPVC
5100FE 0081000	1,000 FT	39.000 LB	GRAY	С	2 #14 PP FS FRPVC
5100FE 008500	500 FT	20.000 LB	GRAY		2 #14 PP FS FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 01-20-2015

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