Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

5101UE Multi-Conductor - Commercial Audio Systems



For more Information please call

1-800-Belden1



Description: 14 AWG bare copper conductors, PP insulation, PVC jacket with ripcord, sequential footage marking every two feet. **Usage (Overall)** Suitable Applications: Intercom/PA Systems, Sound/Audio Systems **Physical Characteristics (Overall)** Conductor AWG: # Conductors AWG Stranding Conductor Material 3 14 19x27 BC - Bare Copper **Total Number of Conductors:** 3 Insulation **Insulation Material:** Insulation Material Wall Thickness (mm) PP - Polypropylene 0.279 **Outer Shield Outer Shield Material: Outer Shield Material** Unshielded **Outer Jacket Outer Jacket Material:** Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.432 Yes **Outer Jacket Ripcord: Overall Cable Overall Cabling Lay Length & Direction:** Length (mm) Twists (twist/m) 101.600 10.1055 **Overall Cabling Color Code Chart:** Number Color Black 2 White 3 Red **Overall Nominal Diameter:** 5.893 mm **Mechanical Characteristics (Overall) Operating Temperature Range:** -20°C To +75°C **UL Temperature Rating:** 75°C **Bulk Cable Weight:** 78.131 Kg/Km 633.869 N Max. Recommended Pulling Tension:

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Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/UL) Specification: CL3R NEC Articles: 725 EU C Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (RMS): Yes EU Directive 2002/95/EC (RMS): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes Flame Test UL Flame Test: VL Flame Test: FT4 Plenum/Non-Plenum Plenum (YN): No Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Conductor DC Resistance: DCR @ 20°C (Omtime) B.30003 Max. Recommended Current: Durgent Ramp per conductor @ 25°C	Min. Bend Radius/Minor Axis:	60.325 mm
NEC/(UL) Specification: CL3R NEC Articles: 725 EU CE Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (RoHS): Yes EU Directive 2000/53/EC (RoHS): Yes EU Directive 2000/53/EC (ROHS): Yes EU Directive 2000/53/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes Flame Test Ves UL Flame Test: UL1666 Vertical Riser UL Flame Test: UL1666 Vertical Riser UL Flame Test: UL1666 Vertical Riser Via Flame Test: Via Flame Test Via Flame Test: Via Flame Test Via Flame Test: Via Flame Test Via Flame Test: Via Flame Test<	Applicable Specifications and Agency Co	mpliance (Overall)
NEC Articles: 725 EU CE Mark: Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes Flame Test Yes MII Order #39 (China RoHS): Yes Flame Test: UL 1666 Vertical Riser UL Flame Test: UL 1666 Vertical Riser VI. Flame Test: UL 1666 Vertical Riser VI. Flame Test: UL 1666 Vertical Riser Electrical Characteristics (Overall) No Plenum (V/N): No Plenum Number: 6101UE Capacitance (Pfm) Sa003 Nom. Conductor to Conductor: Sa003 Sa0033 Max. Operating Voltage - UL: Visage 200 V RMS Sa003 Max. Recommended Current: Sa003 Sanpa per conductor @ 25°C Sanpa per conductor @ 25°C		ams
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 EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes Flame Test: Ves UL Flame Test: UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum 6101UE Plenum (Y/N): No Plenum Number: 6101UE Care conductor to Conductor: Capacitance (pf/m) Xes Nom. Cagacitance Conductor to Conductor: Capacitance (pf/m) Sa0093 Max. Rocommended Current: Vidtage 300 V RMS Sa0093 Max. Recommended Current: Sa0093	NEC/(UL) Specification:	CL3R
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 EU Directive 2003/11/EC (BFR): Yes GA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Test UL 1666 Vertical Riser OSA Flame Test: UL 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser Plenum/Non-Plenum Plenum Number: Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance Conductor to Conductor: Sappatiance Max. Recommended Current: Votage 200 (NIMS) Max. Recommended Current: Samps per conductor @ 25°C	NEC Articles:	725
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 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser CSA Flame Test: UL 1005 Plenum/Non-Plenum FT4 Plenum Number: 6101UE Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pFm) Rame Test: UL: Voltage 30003 Max. Operating Voltage - UL: Voltage Voltage 300 V RMS Max. Recommended Current: Samps per conductor @ 25°C	EU CE Mark:	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 Mill Order #39 (China RoHS): Yes Flame Test UL 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser Plenum/Non-Plenum Plenum (V/N): Plenum Number: 6101UE Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pf/m) T2.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) a.30093 Max. Operating Voltage - UL: Voltage Voltage Samps per conductor @ 25°C	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 RoHS): Yes Flame Test: UL 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): No Plenum Q/Nor-Plenum Plenum Official Characteristics (Overall) Nom. Capacitance (pf/m) 72.182 Nom. Conductor to Conductor: Capacitance (pf/m) 300 93 Max. Operating Voltage - UL: Voltage 300 V FMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	EU Directive 2002/95/EC (RoHS):	Yes
EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test UL 1666 Vertical Riser CSA Flame Test: UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20° (Ohm/km) 30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Flame Test UL 1666 Vertical Riser UL Flame Test: UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pf/m) Z182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current B. Amps per conductor @ 25°C	EU Directive 2002/96/EC (WEEE):	Yes
Mil Order #39 (China RoH\$): Yes Flame Test UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) Non. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohn/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Gurrent 8 Amps per conductor @ 25°C	EU Directive 2003/11/EC (BFR):	Yes
Flame Test UL 1666 Vertical Riser UL Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	CA Prop 65 (CJ for Wire & Cable):	Yes
UL Flame Test: UL 1666 Vertical Riser CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) No Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8.4mps per conductor @ 25°C	MII Order #39 (China RoHS):	Yes
CSA Flame Test: FT4 Plenum/Non-Plenum Plenum (Y/N): Plenum Number: 6101UE Electrical Characteristics (Overall) Non. Capacitance Conductor to Conductor: Capacitance (pf/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30003 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C State of the conductor @ 25°C	Flame Test	
Plenum/Non-Plenum No Plenum (Y/N): No Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	UL Flame Test:	UL1666 Vertical Riser
Plenum (Y/N): No Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 . Nom. Conductor DC Resistance: . DCR @ 20°C (Ohm/km) 8.30093 . Max. Operating Voltage - UL: . Voltage 300 V RMS . Max. Recommended Current: . Current 8 Amps per conductor @ 25°C	CSA Flame Test:	FT4
Plenum Number: 6101UE Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C		
Electrical Characteristics (Overall) Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	Plenum (Y/N):	No
Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	Plenum Number:	6101UE
Capacitance (pF/m) 72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	Electrical Characteristics (Overall)	
72.182 Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	Nom. Capacitance Conductor to Conductor:	
DCR @ 20°C (Ohm/km) 8.30093 Max. Operating Voltage - UL: Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C		
Voltage 300 V RMS Max. Recommended Current: Current 8 Amps per conductor @ 25°C	DCR @ 20°C (Ohm/km)	
Current 8 Amps per conductor @ 25°C	Voltage	
Put line and Colorey	Current	

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5101UE 0081000	305 MT	22.226 KG	GRAY	С	3 #14 PP FRPVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-02-2008

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