# **Detailed Specifications & Technical Data**



METRIC MEASUREMENT VERSION



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

For more Information please call

1-800-Belden1



### **Description:**

14 AWG bare high-conductivity ETP copper conductors, highly stranded for ultra flexibility, high-grade PVC insulation, PVC jacket with ripcord, sequential footage marking every two feet.

Conductor AWG:	Physical Characteristics (Overall)	
# Conductors AWG Stranding Conductor Material   2 14 42x30 Bare High-Conductivity ETP Copper   Total Number of Conductors: 2   Insulation Insulation Material: Insulation Material:   Insulation Material: Insulation Material: Insulation Material:   Outer Shield Material: Uniter Shield Material: Insulation Material:   Outer Jacket Material: Uniter Shield Material: Insulation Material:   Outer Jacket Material: Insulation of Sata Insulation of Sata   Outer Jacket Ripcord: Yes Yes   Overall Cabling Lay Length & Direction: Insulation (winth) Insulation (winth)   Base Sata 11.1554 Sata Sata   Overall Cabling Color Code Chart: 6.604 mm Sata Sata   Overall Nominal Diameter: 6.604 mm Sata Sata Sata Sata   Overall Cabling Lay Length & Direction: Sata Sata<		
2 14 42:30 Bare High-Conductivity ETP Copper   Total Number of Conductors: 2   Insulation Material: Insulation Material:   Insulation Material: Vert Shield   Outer Shield Material: Outer Shield Material:   Outer Shield Material: Outer Shield Material:   Outer Jacket I Outer Jacket Material:   Outer Jacket Material: Outer Jacket Material:   Outer Jacket Ripcord: Yes   Overall Cable Overall Cable   Overall Cabling Lay Length & Direction: Instation   Image: 6.604 mm   Mechanical Characteristics (Overall) Overall Cabling Color Code Chart:   Operating Temperature Range: -20°C To +75°C   UL Temperature Range: -20°C To +75°C   Max. Recommended Pulling Tension: 485.743 N   Min. Been Radius/Minor Axis: 63.500 mm	-	
Insulation Material: Insulation Material: Misulation Material: Ver Polyvinyl Chloride 0.508 Outer Shield Material: Outer Shield Material: Outer Shield Material: Outer Jacket Material: Overall Cabling Lay Length & Direction: Length (mm) Twists (wistm) 88.99965 11.1554 Overall Cabling Color Code Chart: Coor Black White Overall Nominal Diameter: 6.604 mm Mechanical Characteristics (Overall) Operating Temperature Range: -20°C To +75°C Bulk Cable Weight: 58.040 Kg/Km Max. Recommended Pulling Tension: 485.743 N Min. Bend Radius/Minor Axis: 63.500 mm		ty ETP Copper
Insulation Main Trickness (mm)   Insulation Material: Wall Trickness (mm)   PVC - Polyvinyl Chloride 0.508   Outer Shield Material:   Outer Shield Material: Outer Shield Material:   Outer Jacket Material: Outer Jacket Material:   Outer Jacket Material: Outer Jacket Material:   Outer Jacket Material: Nom. Wall Trickness (mm)   PVC - Polyvinyl Chloride 0.381   Outer Jacket Ripcord: Yes   Overall Cabling Lay Length & Direction: Length (mm) Twists (twist/m)   88.99965 11.1564   Overall Cabling Color Code Chart: Color   Color Black   White -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm	Total Number of Conductors:	2
Insulation Material: Wall Thickness (mm)   PVC - Polyvinyl Chloride [0.508   Outer Shield Material:   Outer Shield Material:   Unshielded   Outer Jacket Material:   Outer Jacket Repord: Yes   Outer Jacket Ripcord: Yes   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m) 88.89965 11.1554 Second   Overall Cabling Color Code Chart: 6.604 mm   Coverall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall) 90 overall Cabling Color Code Chart:   Coverall Rominal Diameter: 6.604 mm   Mint Bend Radius/Minor Axis: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
PVC - Polyvinyl Chloride [0.508   Outer Shield Material:   Outer Shield Material:   Unshielded   Outer Jacket   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Ripcord: Yes   Outer Jacket Ripcord: Yes   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   88.99965 11.1554   Overall Cabling Color Code Chart:   Coor   Backet   Overall Cabling Color Code Chart:   Color   Backet   Overall Cabling Color Code Chart:   Color   Backet   Overall Cabling Color Code Chart:   Color   Backet   Overall Cabling Color Code Chart:   Backet   Overall Cabling Temperature Range:   -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Outer Shield   Outer Shield Material:   Outer Shield Material:   Unshielded   Outer Jacket   Outer Jacket Material:   Verall Cabling Color Code Chart:   Color   Balk S9965:   Overall Characteristics (Overall)   Overall Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling		
Outer Shield Material:   Outer Shield Material:   Unshielded   Outer Jacket   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Material:   Outer Jacket Ripcord: Yes   Outer Jacket Ripcord: Yes   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   Bas99965 11.1554   Overall Cabling Color Code Chart:   Color   Black   Write:   Overall Rominal Diameter: 6.604 mm   Overall Rominal Diameter: 6.604 mm   Vertaing Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm	PVC - Polyvinyl Chloride 0.508	
Outer Shield Material Unshielded Outer Jacket Material: Outer Jacket Material: Nom. Wall Thickness (mm)   PVC - Polyvinyl Chloride 0.381   Outer Jacket Ripcord: Yes   Outer Jacket Ripcord: Yes   Overall Cabling Lay Length & Direction: Length (mm) Twists (twist/m) 88.89965   Back Write 0.0000 Code Chart:   Overall Cabling Color Code Chart: 6.604 mm   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall) Jul Temperature Range:   UL Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Unshielded   Outer Jacket   Outer Jacket Material:   Outer Jacket Ripcord:   Verail Cable   Overail Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   B8.89965   11.1554   Overail Cabling Color Code Chart:   Color   Black   Write:   Overail Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Outer Jacket   Outer Jacket Material:   Outer Jacket Ripcord:   Verall Cable   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   B8.89965   11.1554   Overall Cabling Color Code Chart:   Color   Black   White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Outer Jacket Material: Nom. Wall Thickness (mm)   PVC - Polyvinyl Chloride 0.381   Outer Jacket Ripcord: Yes   Overall Cable Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m) 88.89965   88.89965 11.1554   Overall Cabling Color Code Chart: Soverall Cabling Color Code Chart:   Black White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.381   Outer Jacket Ripcord: Yes   Overall Cable Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m) 88.89965 11.1554   Overall Cabling Color Code Chart: Color   Black White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall) -20°C To +75°C   UL Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
PVC - Polyvinyl Chloride 0.381   Outer Jacket Ripcord: Yes   Overall Cablie Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m) 88.89965 11.1554   Overall Cabling Color Code Chart: Color   Black White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall) Operating Temperature Range:   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Overall Cable   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   88.89965 11.1554   Overall Cabling Color Code Chart:   Black   White 6.604 mm   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Overall Cable   Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   88.89965 11.1554   Overall Cabling Color Code Chart:   Black   White 6.604 mm   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm	Outer Jacket Ripcord:	Yes
Overall Cabling Lay Length & Direction:   Length (mm) Twists (twist/m)   88.89965 11.1554   Overall Cabling Color Code Chart:   Color   Black   White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
88.89965 11.1554   Overall Cabling Color Code Chart:   Discrete Color Black   White 6.604 mm   Overall Nominal Diameter:   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range:   -20°C To +75°C UL Temperature Rating:   75°C Bulk Cable Weight:   58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm	<b>Overall Cabling Lay Length &amp; Direction:</b>	
Overall Cabling Color Code Chart:   Black   White   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Color Black White 6.604 mm   Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall) -20°C To +75°C   UL Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Black White   Overall Nominal Diameter: 6.604 mm   Buck Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
White Overall Nominal Diameter: 6.604 mm   Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Mechanical Characteristics (Overall)   Operating Temperature Range: -20°C To +75°C   UL Temperature Rating: 75°C   Bulk Cable Weight: 58.040 Kg/Km   Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Operating Temperature Range:-20°C To +75°CUL Temperature Rating:75°CBulk Cable Weight:58.040 Kg/KmMax. Recommended Pulling Tension:485.743 NMin. Bend Radius/Minor Axis:63.500 mm	Overall Nominal Diameter:	6.604 mm
Operating Temperature Range:-20°C To +75°CUL Temperature Rating:75°CBulk Cable Weight:58.040 Kg/KmMax. Recommended Pulling Tension:485.743 NMin. Bend Radius/Minor Axis:63.500 mm	Mechanical Characteristics (Overall)	
UL Temperature Rating:75°CBulk Cable Weight:58.040 Kg/KmMax. Recommended Pulling Tension:485.743 NMin. Bend Radius/Minor Axis:63.500 mm	· · · · · · · · · · · · · · · · · · ·	-20°C To +75°C
Bulk Cable Weight:58.040 Kg/KmMax. Recommended Pulling Tension:485.743 NMin. Bend Radius/Minor Axis:63.500 mm		
Max. Recommended Pulling Tension: 485.743 N   Min. Bend Radius/Minor Axis: 63.500 mm		
Min. Bend Radius/Minor Axis: 63.500 mm		
	Min. Bend Radius/Minor Axis:	63.500 mm
Applicable Specifications and Agency Compliance (Overall)		

**Applicable Standards & Environmental Programs** 

# **Detailed Specifications & Technical Data**



### METRIC MEASUREMENT VERSION

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

NEC/(UL) Specification:	CL3		
	CES		
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: UL1685 UL Loading			
Plenum/Non-Plenum			
Plenum (Y/N):	No		
0.55777 Nom. Capacitance Conductor to Conductor: Capacitance (pF/m) 95.149			
Nom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 7.94002 Max. Operating Voltage - UL: Voltage 300 V RMS			

Item #	Putup	Ship Weight	Color	Notes	Item Desc
5100UP 005U1000	305 MT	18.597 KG	GREEN, DARK		2 #14 PVC FRPVC
5100UP 005U500	152 MT	9.525 KG	GREEN, DARK		2 #14 PVC FRPVC
5100UP 0051000	305 MT	19.505 KG	GREEN, DARK		2 #14 PVC FRPVC
5100UP 005500	152 MT	10.206 KG	GREEN, DARK		2 #14 PVC FRPVC
5100UP 008U1000	305 MT	18.597 KG	GRAY		2 #14 PVC FRPVC
5100UP 008U500	152 MT	9.525 KG	GRAY		2 #14 PVC FRPVC
5100UP 0081000	305 MT	19.505 KG	GRAY	С	2 #14 PVC FRPVC
5100UP 009U1000	305 MT	18.597 KG	WHITE		2 #14 PVC FRPVC
5100UP 009U500	152 MT	9.525 KG	WHITE		2 #14 PVC FRPVC
5100UP 0091000	305 MT	19.505 KG	WHITE		2 #14 PVC FRPVC
5100UP 009500	152 MT	10.206 KG	WHITE		2 #14 PVC FRPVC
5100UP 010U1000	305 MT	18.597 KG	BLACK		2 #14 PVC FRPVC
5100UP 010U500	152 MT	9.525 KG	BLACK		2 #14 PVC FRPVC
5100UP 0101000	305 MT	19.505 KG	BLACK	С	2 #14 PVC FRPVC
5100UP 010500	152 MT	10.206 KG	BLACK		2 #14 PVC FRPVC

Notes: C = CRATE REEL PUT-UP.



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

Revision Number: 1 Revision Date: 05-14-2007

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