

**Detailed Specifications &  
Technical Data**



**8723 Paired - Audio, Control and Instrumentation Cable**

	<p><b>For more information please call</b> <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 1.pdf</b></p>
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**Description:**

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, polypropylene insulation, individually shielded with 100% Beldfoil® shield plus a 24 AWG stranded tinned copper drain wire, PVC jacket. Pairs cabled on common axes to reduce diameter.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	2
Total Number of Conductors	4
AWG	22
Stranding	7x30
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PP - Polypropylene
Lay Length	1.5 in.
Twists/ft.	8

Pair Color Code Chart :

Number	Color	Number	Color
1	Red & Black	2	Green & White

**INNER SHIELD:**

Inner Shield Material Trade Name	Beldfoil® (Z-Fold®)
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	7x32
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER SHIELD:**

Outer Shield Material	Unshielded
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**OUTER JACKET:**

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Outer Jacket Material	PVC - Polyvinyl Chloride
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.168 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-30°C To +60°C
UL Temperature Rating	60°C
Bulk Cable Weight	18.3 lbs/1000 ft.
Max. Recommended Pulling Tension	50 lbs.
Min. Bend Radius (Install)	1.6 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM

**FLAME TEST:**

UL Flame Test	UL1581 Vertical Tray
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**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
Plenum Number	82723, 87723, 88723

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	45 Ohms
Nom. Inductance	0.17 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	35 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	62 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	15 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	16.6 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.3 Amps per conductor @ 25°C

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8723 060100	2 SH PR #22 PP PVC	100	2.3	CHROME	
8723 0601000	2 SH PR #22 PP PVC	1000	20	CHROME	C
8723 06010000	2 SH PR #22 PP PVC	10000	200	CHROME	C Y

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8723 0601640	2 SH PR #22 PP PVC	1640	32.8	CHROME	
8723 0602000	2 SH PR #22 PP PVC	2000	40	CHROME	C
8723 0603280	2 SH PR #22 PP PVC	3280	65.6	CHROME	C
8723 060500	2 SH PR #22 PP PVC	500	10	CHROME	
8723 0605000	2 SH PR #22 PP PVC	5000	95	CHROME	C
8723 060U1000	2 SH PR #22 PP PVC	U1000	20	CHROME	
8723 060U2000	2 SH PR #22 PP PVC	U2000	40	CHROME	
8723 060U500	2 SH PR #22 PP PVC	U500	10.5	CHROME	

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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