

**Detailed Specifications &
Technical Data**



87723 Paired - Audio, Control and Instrumentation Cable

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

22 AWG stranded (7x30) tinned copper conductors, twisted pairs, FEP insulation, individually shielded with 100% Beldfoil® plus a 24 AWG stranded tinned copper common drain wire, fluorocopolymer jacket. Pairs cabled on a common axis 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	FEP - Fluorinated Ethylene Propylene
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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 %

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVDF - Fluorocopolymer
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OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.148 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +150°C
Bulk Cable Weight	18.5 lbs/1000 ft.
Max. Recommended Pulling Tension	46 lbs.
Min. Bend Radius (Install)	1.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP
CEC/C(UL) Specification	CMP, PCC

FLAME TEST:

UL Flame Test	UL910 Steiner Tunnel
C(UL) Flame Test	FT6

PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	8723

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	40 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	35 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	67 pF/ft
Nominal Velocity of Propagation	69 %
Nom. Conductor DC Resistance @ 20 Deg. C	16.0 Ohms/1000 ft
Nom. Inner Shield DC Resistance	16.6 Ohms/1000 ft
Nominal Conductor Loop Resistance @ 20 Deg. C	34 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
87723 0021000	2 SH PR #22 FEP SOLEF	1000	20	RED	C Z
87723 002500	2 SH PR #22 FEP SOLEF	500	11	RED	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 09-23-2004

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Belden CDT

BELDENCable™

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