

**1420A Paired - Low Capacitance Computer Cables for EIA RS-232/422**

	<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf</b></p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, twisted pairs, Datalene® insulation, overall 100% Beldfoil® shield, 24 AWG stranded tinned copper drain wire, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	3
Total Number of Conductors	6
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene

**Pair Color Code Chart :**

Number	Color	Number	Color
1	White/Blue & Blue/White	3	White/Green & Green/White
2	White/Orange & Orange/White		

**OUTER SHIELD:**

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	7x32
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

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

Overall Nominal Diameter	.261 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +80°C
Non-UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	29 lbs/1000 ft.
Max. Recommended Pulling Tension	33 lbs.
Min. Bend Radius (Install)	2.75 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2919 (30 V 80°C)

#### FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
C(UL) Flame Test	FT1

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Inductance	.213 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	13 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	15.1 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919); 300 V RMS
Max. Recommended Current	1.8 Amps per conductor @ 25°C

### NOTES:

Notes	Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight.
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### PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1420A 0601000	3 PR #24 FHDPE FS PVC	1000	34	CHROME	C



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1420A 06010000	3 PR #24 FHDPE FS PVC	10000	340	CHROME	C Y
1420A 060500	3 PR #24 FHDPE FS PVC	500	17	CHROME	C

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'.

Revision Number: 1      Revision Date: 01-30-2004

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