

1422A Paired - Low Capacitance Computer Cables for EIA RS-232/422

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf</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	5
Total Number of Conductors	10
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

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

PAIR:

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	4	White/Brown & Brown/White
2	White/Orange & Orange/White	5	White/Gray & Gray/White
3	White/Green & Green/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



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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.294 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	38.3 lbs/1000 ft.
Max. Recommended Pulling Tension	55 lbs.
Min. Bend Radius (Install)	3 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
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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	14.4 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919); 300 V RMS
Other Maximum Continuous Currents	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
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1422A 0601000	5 PR #24 FHDPE FS PVC	1000	43	CHROME	C
1422A 060500	5 PR #24 FHDPE FS PVC	500	23	CHROME	C

C = CRATE REEL PUT-UP.

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

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