

## 1420A Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information  
please call

1-800-Belden1

**Description:**

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

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
3	24	7x32	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Trade Name	Insulation Material
Datalene®	FPE - Foam Polyethylene

**Outer Shield****Outer Shield Material:**

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

**Outer Shield Drain Wire AWG:**

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

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.261 in.

**Pair****Pair Color Code Chart:**

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

**Mechanical Characteristics (Overall)**

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)/Minor Axis:	2.750 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CM

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CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
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):	01/01/2004
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
C(UL) Flame Test:	FT1

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)
100

**Nom. Inductance:**

Inductance (μH/ft)
.213

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
13

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
22

**Nominal Velocity of Propagation:**

VP (%)
78

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
24

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
15.1

**Max. Operating Voltage - UL:**

Voltage
30 V RMS (UL AWM Style 2919); 300 V RMS

**Max. Recommended Current:**

Current
1.8 Amps per conductor @ 25°C

**Notes (Overall)**

**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.

**1420A Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422****Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1420A 0601000	1,000 FT	34.000 LB	CHROME	C	3 PR #24 FHDPE FS PVC
1420A 06010000	10,000 FT	340.000 LB	CHROME	C Y	3 PR #24 FHDPE FS PVC
1420A 060500	500 FT	17.000 LB	CHROME	C	3 PR #24 FHDPE FS PVC

**Notes:**

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: 05-14-2007

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