

## 9931 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
6	24	7x32	TC - Tinned Copper

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

Insulation Trade Name	Insulation Material
Datalene®	FPE - Foam Polyethylene

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

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

**Outer Shield Drain Wire AWG:**

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

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

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable****Overall Cabling Color Code Chart:**

Color
Black
White
Red
Green
Brown
Blue

**Overall Nominal Diameter:** 0.254 in.

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-30°C To +80°C
<b>UL Temperature Rating:</b>	80°C (UL AWM Style 2919)
<b>Bulk Cable Weight:</b>	41 lbs/1000 ft.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	2.500 in.

## 9931 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM
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
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
12

## Nom. Capacitance Cond. to Other Conductor &amp; 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)
4.4

## Max. Operating Voltage - UL:

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

## Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

**9931 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9931 060100	100 FT	4.200 LB	CHROME		6 #24 FHDPE SH PVC
9931 0601000	1,000 FT	38.000 LB	CHROME	C	6 #24 FHDPE SH PVC
9931 060500	500 FT	17.500 LB	CHROME	C	6 #24 FHDPE SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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