# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



### 9936 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information please call

1-800-Belden1



#### **General Description:**

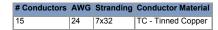
24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

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# **Physical Characteristics (Overall)**

# Conductor

AWG:



Total Number of Conductors:

#### Insulation

# Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Datalene®	FPE - Foam Polyethylene	0.015

#### **Outer Shield**

#### Outer Shield Material:

Layer#	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Таре	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	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.035

#### **Overall Cable**

#### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White

Overall Nominal Diameter:

0.345 in.

# Mechanical Characteristics (Overall) Operating Temperature Range:

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	59 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	3.500 in.

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### 9936 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423

olicable Standards & Environmental Programs		
NEC/(UL) Specification:	CM	
CEC/C(UL) Specification:	СМ	
AWM Specification:	UL Style 2919 (30 V 80°C)	
EU Directive 2011/65/EU (ROHS II):	Yes	
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	
me Test		
UL Flame Test:	UL1685 UL Loading	
num/Non-Plenum		
Plenum (Y/N):	No	

### **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:



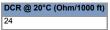
Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.56

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current 1.1 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.

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9936 060100	100 FT	6.700 LB	CHROME		15 #24 FHDPE SH PVC
9936 0601000	1,000 FT	63.000 LB	CHROME	С	15 #24 FHDPE SH PVC
9936 060500	500 FT	33.000 LB	CHROME	С	15 #24 FHDPE SH PVC

Notes: C = CRATE REEL PUT-UP.

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Revision Number: 4 Revision Date: 09-17-2012

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