# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



# 9934 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information please call

1-800-Belden1



## **General Description:**

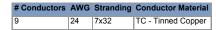
24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

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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®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

#### Outer Shield Drain Wire AWG:

ı		•	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	Brown
6	Blue
7	Orange
8	Yellow
9	Purple

Overall Nominal Diameter:

0.300 in.

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	44 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	3 in.

# **Applicable Specifications and Agency Compliance (Overall)**

# **Applicable Standards & Environmental Programs**

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

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	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
Fla	me Test	
	UL Flame Test:	UL1685 UL Loading
Ple	num/Non-Plenum	
	Plenum (Y/N):	No

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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

**VP** (%) 78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 3.85

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 2919
300 V RMS	CM

Max. Recommended 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.

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9934 060100	100 FT	5.200 LB	CHROME		9 #24 FHDPE SH PVC
9934 0601000	1,000 FT	48.000 LB	CHROME	С	9 #24 FHDPE SH PVC
9934 060500	500 FT	24.000 LB	CHROME	С	9 #24 FHDPE SH PVC
9934 0605000	5,000 FT	245.000 LB	CHROME	С	9 #24 FHDPE SH PVC

C = CRATE REEL PUT-UP

Revision Date: 09-17-2012 Revision Number: 3

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Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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