# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



## 9935 Multi-Conductor - Low-Capacitance Computer Cable for EIA RS-232/423



For more Information please call

1-800-Belden1



## **General Description:**

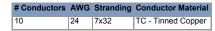
24 AWG stranded (7x32) TC conductors, Datalene® insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), drain wire, PVC jacket.

10

## **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:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
	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	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Gray

Overall Nominal Diameter:

0.306 in.

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2919)	
Bulk Cable Weight:	50 lbs/1000 ft.	
Min. Bend Radius/Minor Axis:	3.250 in.	

## Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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

Page 1 of 3 11-05-2015

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Yes
Yes
Yes
Yes
01/01/2004
Yes
Yes
Yes
Yes
UL1685 UL Loading
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** (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

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
9935 060100	100 FT	5.800 LB	CHROME		10 #24 FHDPE SH PVC
9935 0601000	1,000 FT	53.000 LB	CHROME	С	10 #24 FHDPE SH PVC
9935 060500	500 FT	28.000 LB	CHROME		10 #24 FHDPE SH PVC

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-17-2012

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Page 2 of 3 11-05-2015

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product. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Page 3 of 3 11-05-2015