



## **Product Description**

Computer EIA RS-232/422 Cable, 24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

## **Technical Specifications**

#### **Product Overview**

Suitable Applications:	rs-232 extended distance applications; rs-422 applications; computer communications; low voltage analog signals (4-20ma, 0-10v,); low voltage digital control (24v,); line level audio; panel wiring
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## **Physical Characteristics (Overall)**

#### Conductor

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	24	7x32	TC - Tinned Copper	8
Conductor Count:			16	

#### Insulation

Element	Material	Material Trade Name	Nominal Wall Thickness
Pair(s)	PE - Polyethylene (Foam)	Datalene®	0.013 in

#### Color Chart

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White
3	White/Green & Green/White
4	White/Brown & Brown/White
5	White/Gray & Gray/White
6	Red/Blue & Blue/Red
7	Red/Orange & Orange/Red
8	Red/Green & Green/Red

# Color Chart 2

Number 7

#### Outer Shield Material

Туре	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Таре	1	Alum / Poly	Beldfoil®	100 %	TC - Tinned Copper	24	7x32
Braid	Braid 2 TC - Tinned Copper			65 %			

#### **Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.37 in	0.035 in

**Electrical Characteristics** 

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	2.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
12.5 pF/ft	22 pF/ft

#### Impedance

Nominal Characteristic Impedance

#### Delay

 Max. Delay Skew
 Nominal Velocity of Propagation (VP) [%]

 78 ns/100m
 78 %

#### Current

Max. Recommended Current [A] 1.1 Amps per conductor @ 25°C A

#### Voltage

UL Description	UL Voltage Rating
UL AWM Style 2919	30 V RMS (UL AWM Style 2919)
CM	300 V RMS

#### **Temperature Range**

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-30°C To +80°C

## **Mechanical Characteristics**

Bulk Cable Weight:	67 lbs/1000ft
Max Recommended Pulling Tension:	93.5 lbs
Min Bend Radius/Minor Axis:	3.75 in

## Standards

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

# Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

# Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading			
ISO/IEC Flammability:	IEC 60332-1-2			
UL voltage rating:	30 V RMS (UL AWM Style 2919)			
Plenum/Non-Plenum				
Plenum (Y/N):	No			
Dout Number				

Part Number

#### Variants

Item #	Color	Putup Type	Length	UPC
8108 060100	Chrome	Reel	100 ft	612825194996
8108 060500	Chrome	Reel	500 ft	612825195016
8108 0601000	Chrome	Reel	1,000 ft	612825195009
Footnote:			C - CRA	TE REEL PUT-U

## **Product Notes**

Lindete and Devision.	Pavisian Number 0.245 Devision Date: 05.44.2020			
History				
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.			

## Update and Revision: Revision Number: 0.315 Revision Date: 05-11-2020

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