# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



## 1424A Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



## **General Description:**

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

## **Physical Characteristics (Overall)**

## Conductor

#### AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	12	24	7x32	TC - Tinned Copper

Total Number of Conductors: 25

### Insulation

#### **Insulation Material:**

Insulation Trade Name	Insulation Material	Wall Thickness (mm)
Datalene®	FPE - Foam Polyethylene	0.330

### **Outer Shield**

### **Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

## Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material			
24	7x32	TC - Tinned Copper			

## **Outer Jacket**

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

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

## **Overall Cable**

Overall Nominal Diameter: 10.617 mm

#### Pair

#### **Pair Color Code 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
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
Single Conductor	Gray

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Me	chanical Characteristics (Overall)				
	Operating Temperature Range:	-20°C To +80°C			
	Non-UL Temperature Rating:	80°C (UL AWM Style 2919)			
	Bulk Cable Weight:	113.103 Kg/Km			
	Max. Recommended Pulling Tension:	613.852 N			
	Min. Bend Radius/Minor Axis:	107.950 mm			
Apı	olicable Specifications and Agency Com	pliance (Overall)			
Ap	plicable Standards & Environmental Progran	ns			
	NEC/(UL) Specification:	CM			
	CEC/C(UL) Specification:	CM			
	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			
Fla	ime Test				
	UL Flame Test:	UL1685 UL Loading			

No

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Plenum/Non-Plenum Plenum (Y/N):

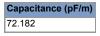
Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

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39.372

#### Max. Operating Voltage - UL:

Voltage	Description		
	UL AWM Style 2919		
300 V RMS	CM		

#### Max. Recommended Current:

Current
1.8 Amps per conductor @ 25°C

## **Notes (Overall)**

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.

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1424A 0601000	305 MT	38.556 KG	CHROME	С	12 PR + 1 #24 FHDPE FS PVC
1424A 060500	152 MT	19.505 KG	CHROME	С	12 PR + 1 #24 FHDPE FS PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-11-2012

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