# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION





9839 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, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

# **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
6	24	7x32	TC - Tinned Copper

Total Number of Conductors: 12

#### Insulation

#### **Insulation Material:**

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.406

#### **Outer Shield**

### **Outer Shield Material:**

Layer #	Layer # Outer Shield Trade Name		Outer Shield Material	Coverage (%)
1	Beldfoil®		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 (mm)
PVC - Polyvinyl Chloride	0.889

#### **Overall Cable**

Overall Nominal Diameter: 9.246 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

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	93.757 Kg/Km
Min. Bend Radius/Minor Axis:	95.250 mm

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pplicable Specifications and Agency (	Compliance (Overall)
applicable Standards & Environmental Pro	grams
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
lame Test	
UL Flame Test:	UL1685 UL Loading

No

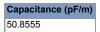
# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Plenum (Y/N):

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage	Description		
	UL AWM Style 2919		
300 V RMS	CM		

Max. Recommended Current:



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## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9839 0601000	1,000 FT	67.000 LB	CHROME	С	6 PR #24 LDPO SH PVC
9839 060500	500 FT	35.000 LB	CHROME	С	6 PR #24 LDPO SH PVC

#### Notes:

C = CRATE REEL PUT-UP.

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

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