# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 8337 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



#### **General Description:**

24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, multi-paired cable with overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

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# **Physical Characteristics (Overall)**

# Conductor

AWG:

# Pairs	AWG	_	Conductor Material
7	24	7x32	TC - Tinned Copper

Total Number of Conductors:

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011

#### **Outer Shield**

Outer Shield Material:

1	Layer#	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Γ	1	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100
E	2		Braid	TC - Tinned Copper	65

#### **Outer Jacket**

#### Outer Jacket Material:

Outer Jacket Material Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride | 0.035

#### **Overall Cable**

Overall Nominal Diameter: 0.321 in.

#### Pair

# Pair Color Code Chart:

Color
White/Blue & Blue/White
White/Orange & Orange/White
White/Green & Green/White
White/Brown & Brown/White
White/Gray & Gray/White
Red/Blue & Blue/Red
Red/Orange & Orange/Red

#### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C	
UL Temperature Rating:	80°C (UL AWM Style 2464)	
Bulk Cable Weight:	60 lbs/1000 ft.	
Min. Bend Radius/Minor Axis:	3.250 in.	

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

## **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
CSA Specification:	AWMTA
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes

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EU Directive 2000/53/EC (ELV):	Yes	
EU Directive 2002/95/EC (RoHS):	Yes	
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005	
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	
Flame Test		
UL Flame Test:	UL1685 FT4 Loading	
CSA Flame Test:	FT4	
Plenum/Non-Plenum		
Plenum (Y/N):	No	

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

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
24

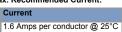
Maximum Outer Shield DC Resistance:

DCR @ 20°C	(Ohm/1000 ft)
4.7	

Max. Operating Voltage - UL:



Max. Recommended Current:



## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8337 060100	100 FT	6.800 LB	CHROME		7 PR #24 PVCR SHLD PVC
8337 0601000	1,000 FT	65.000 LB	CHROME	С	7 PR #24 PVCR SHLD PVC
8337 060500	500 FT	33.000 LB	CHROME		7 PR #24 PVCR SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-21-2012

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