

**8336 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.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
6	24	7x32	TC - Tinned Copper

Total Number of Conductors: 12

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

**Outer Shield****Outer Shield Material:**

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

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

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

**Overall Cable**

Overall Nominal Diameter: 7.874 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 2464)

Non-UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 84.827 Kg/Km

Max. Recommended Pulling Tension: 422.579 N

Min. Bend Radius/Minor Axis: 82.550 mm

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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
CSA Specification:	AWM I A
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):	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
C(UL) Flame Test:	FT4
CSA Flame Test:	FT4

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)
75

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.43

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/m)
164.05

## Nominal Velocity of Propagation:

VP (%)
60

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
78.744

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
15.4207

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Max. Recommended Current:

Current
1.6 Amps per conductor @ 25°C

**8336 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8336 060100	100 FT	6.500 LB	CHROME		BRAID 6 PR #24 PVCR SHLD PVC
8336 0601000	1,000 FT	62.000 LB	CHROME	C	BRAID 6 PR #24 PVCR SHLD PVC
8336 060500	500 FT	31.500 LB	CHROME	C	BRAID 6 PR #24 PVCR SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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