



## 8334 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
4	24	7x32	TC - Tinned Copper

Total Number of Conductors: 8

#### 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: 6.909 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

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

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

Bulk Cable Weight: 65.481 Kg/Km

Min. Bend Radius/Minor Axis: 69.850 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

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<b>AWM Specification:</b>	UL Style 2464 (300 V 80°C)
<b>CSA Specification:</b>	AWM I A
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	10/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes

### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>C(UL) Flame Test:</b>	FT1
<b>CSA Flame Test:</b>	FT4

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	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 & 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)**  
14.7645

### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

### Max. Recommended Current:

**Current**  
1.6 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8334 060100	100 FT	5.100 LB	CHROME		BRAID 4 PR #24 PVC SHLD PVC
8334 0601000	1,000 FT	47.000 LB	CHROME	C	BRAID 4 PR #24 PVC SHLD PVC

## METRIC MEASUREMENT VERSION

### 8334 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications

8334 060500	500 FT	23.500 LB	CHROME	C	BRAID 4 PR #24 PVCR SHLD PVC
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**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 3    Revision Date: 09-21-2012

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