

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.

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors:

14

Insulation

Insulation Material:

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

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 (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter:

0.321 in.

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

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:

AWM I A

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
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
50

Nominal Velocity of Propagation:

VP (%)
60

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:

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
8337 060100	100 FT	6.800 LB	CHROME		7 PR #24 PVCR SHLD PVC
8337 0601000	1,000 FT	65.000 LB	CHROME	C	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.

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