

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

8342 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



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:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
1	12	24	7x32	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material
S-R PVC - Semi-Rigid Polyvinyl Chloride

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
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.405 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
8	Red/Green & Green/Red
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
Single Conductor	Gray

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.000	12.000

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 93.900 lbs/1000 ft.

Min. Bend Radius (Install)/Minor Axis: 4 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 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

C(UL) Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

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

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.6

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current

1.1 Amps per conductor @ 25°C

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Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8342 060100	100 FT	11.000 LB	CHROME		12 PR,1#24 PVCR SHLD PVC
8342 0601000	1,000 FT	109.000 LB	CHROME	C	12 PR,1#24 PVCR SHLD PVC
8342 060500	500 FT	55.000 LB	CHROME	C	12 PR,1#24 PVCR SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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