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 #	_ayer # Outer Shield Trade Name 1		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 Cabling

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

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:



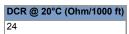
Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

1.1 Amps per conductor @ 25°C	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	С	12 PR,1#24 PVCR SHLD PVC
8342 060500	500 FT	55.000 LB	CHROME	С	12 PR,1#24 PVCR SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-16-2008

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