Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9832 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

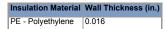


Total Number of Conductors:

10

Insulation

Insulation Material:



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 Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter:

0.338 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

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	58 lbs/1000 ft.
Max. Recommended Pulling Tension:	78 lbs.
Min. Bend Radius/Minor Axis:	3.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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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):	01/01/2004	
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 7	Test		
UL	Flame Test:	UL1685 UL Loading	
Plenum	Plenum/Non-Plenum		
Ple	num (Y/N):	No	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

30 V RMS (UL AWM Style 2919) 300 V RMS (CM)

Max. Recommended Current:

1.68 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9832 060100	100 FT	6.600 LB	CHROME		5 PR #24 PER SH PVC
9832 0601000	1,000 FT	65.000 LB	CHROME	С	5 PR #24 PER SH PVC
9832 060500	500 FT	32.500 LB	CHROME		5 PR #24 PER SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 01-05-2015

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