Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





9836 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.

24

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PE - Polyethylene	0.406

Outer Shield

Outer Shield Material:

1	Layer # Outer Shield Trade Name		Type	Outer Shield Material	Coverage (%)
1	1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
1	2		Braid	TC - Tinned Copper	65

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 11.786 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
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

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data





9836 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

Mechanical Characteristics (Overall)					
Operating Temperature Range:	-30°C To +80°C				
UL Temperature Rating:	80°C (UL AWM Style 2919)				
Bulk Cable Weight:	148.820 Kg/Km				
Max. Recommended Pulling Tension:	889.640 N				
Min. Bend Radius/Minor Axis:	120.650 mm				
Applicable Specifications and Agency Com	pliance (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				
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				

Yes

Yes

Yes

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

EU Directive 2003/11/EC (BFR):

MII Order #39 (China RoHS):

CA Prop 65 (CJ for Wire & Cable):

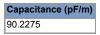
Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9836 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

9.1868

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current
1.47 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9836 0601000	1,000 FT	107.000 LB	CHROME	С	12 PR #24 PER SH PVC
9836 060500	500 FT	55.000 LB	CHROME	С	12 PR #24 PER SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-17-2012

© 2019 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 11-08-2019