

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

9806 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information
please call

1-800-Belden1



General Description:

28 AWG stranded (7x36) TC conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 28 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	28	7x36	TC - Tinned Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.009

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	90

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
28	7x36	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: 0.237 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2960)

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 54 lbs.

Min. Bend Radius/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CL2

AWM Specification: UL Style 2960 (30 V 60°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

9806 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

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 Test

UL Flame Test:	UL1685 UL Loading
Plenum/Non-Plenum	

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
100

Nom. Inductance:

Inductance (μH/ft)
.19

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
15.5

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
27.5

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
64.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 2960
150 V RMS	CL2

Max. Recommended Current:

Current
.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9806 060100	100 FT	4.300 LB	CHROME		4 PR #28 PP SH PVC
9806 0601000	1,000 FT	39.000 LB	CHROME	C	4 PR #28 PP SH PVC
9806 060500	500 FT	19.500 LB	CHROME		4 PR #28 PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-14-2012

© 2014 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 73/23/EEC), as amended by directive 93/68/EEC.

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9806 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[9806 0601000](#)