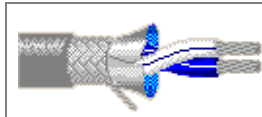


9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications



For more Information
 please call
 1-800-Belden1



Description

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall):

Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material
1.000	24	7x32	TC - Tinned Copper

Insulation:

Insulation Material

Ins Material
PE - Polyethylene

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
24	7x32	TC - Tinned Copper

Outer Jacket:

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling:

Overall Nominal Diameter: .232 in.

Pair:

Pair Color Code Chart

Color
White/Blue and Blue/White

Pair Lay Length & Direction

Lay Length (in.)	Lay Length (in.)	Lay Length	Twists/ft. (twist/ft)
2.500	Left Hand Lay	4.800	4.800

Mechanical Characteristics (Overall):

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	72.300 lbs.
Min. Bend Radius (Install):	2.500 in.

Applicable Specifications and Agency Compliance (Overall):

9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications

Applicable Standards:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2919 (30 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004

Plenum/Non-Plenum:

Plenum (Y/N)	N
Plenum Number	82841, 89841

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
120.000

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
12.800

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
23.000

Nominal Velocity of Propagation

VP (%)
66

Nominal Delay

Delay (ns/ft)
1.600

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
24.000

Nom. Attenuation

Attenuation (dB/100 ft.)
0.6 (@ 1 MHz)

Max. Operating Voltage - UL

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

Max. Recommended Current

Current
2.1 Amps per conductor @ 25°C

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
3.400

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9841 060100	100 FT	4.300 LB	CHROME		1 PR #24 PE SH PVC CHR
9841 0601000	1,000 FT	40.000 LB	CHROME	C	1 PR #24 PE SH PVC CHR
9841 060500	500 FT	20.000 LB	CHROME	C	1 PR #24 PE SH PVC CHR

9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

© 2007 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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory; and China Ministry of Information Industry order#39 (China RoHS), EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.