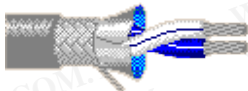


9841 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-485 Applications



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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	24	7x32	TC - Tinned Copper

Insulation

Insulation Material:

Insulation 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: 0.232 in.

Pair

Pair Color Code Chart:

Color
White/Blue and Blue/White

Pair Lay Length & Direction:

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

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)/Minor Axis:	2.500 in.

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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 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

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82841, 89841

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

120

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

12.8

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

23

Nominal Velocity of Propagation:

VP (%)

66

Nominal Delay:

Delay (ns/ft)

1.6

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.4

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

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2.1 Amps per conductor @ 25°C

Put Ups and Colors:

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

Notes:

C = CRATE REEL PUT-UP.

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Revision Number: 1 Revision Date: 04-18-2008

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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.

January 7, 2009

To Whom It May Concern:

Re: Certificate of Compliance



Please be advised that **Belden Part Number 9841** does not contain any of the following restricted substances as an intentional additive, or because removal of the restricted substances is not technically possible and their existence in the products at levels in excess of these concentrations is allowed as one of the particular applications listed in the Annex of the Directive, and is therefore compliant with European Directive 2002/95/EC (RoHS). This is true for all product manufactured after **01/01/2004**.

<u>Substance</u>	<u>Maximum Concentration(1)</u>
Lead	0.1%
Mercury	0.1%
Hexavalent Chromium	0.1%
PBB, PBDE (2)	0.1%
Cadmium	0.01%

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(1) Per homogeneous material, as trace or contaminate amount.

(2) Some Belden products manufactured prior to July 1, 2008, may have contained Decabromodiphenyl Oxide/Ether (PBDE) as a flame retardant.

In addition, this product may be compliant with other environmental initiatives. Please see the Belden Technical Data sheet for details.

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Martin J. Van Der Burgt
Product Development Manager
Belden Wire & Cable

Francois Beauregard
System Development Manager
Belden Connectivity