

8107 Paired - Low Capacitance Computer Cable for EIA RS-232/422 Application

	 	<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p> <p style="text-align: center;">Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
---	---	--

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	7
Total Number of Conductors	14
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	5	White/Gray & Gray/White
2	White/Orange & Orange/White	6	Red/Blue & Blue/Red
3	White/Green & Green/White	7	Red/Orange & Orange/Red
4	White/Brown & Brown/White		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	100
2		Braid	TC - Tinned Copper	65

Outer Shield % Coverage	100 %
-------------------------	-------

OUTER SHIELD DRAIN WIRE :

8107 Paired - Low Capacitance Computer Cable for EIA RS-232/422 Application

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

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.341 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	62.5 lbs/1000 ft.
Max. Recommended Pulling Tension	82.5 lbs.
Min. Bend Radius (Install)	3.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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

FLAME TEST:

UL Flame Test	UL1685 UL Loading
---------------	-------------------

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	88107

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	12.5 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	22 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance @ 20 Deg. C	24 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	3.5 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919), 300 V RMS
Max. Recommended Current	1.5 Amps per conductor @ 25°C

NOTES:

8107 Paired - Low Capacitance Computer Cable for EIA RS-232/422 Applicatio

Notes Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8107 060100	7 PR #24 FHDPE SH PVC	100	6.8	CHROME	
8107 0601000	7 PR #24 FHDPE SH PVC	1000	63	CHROME	C
8107 060500	7 PR #24 FHDPE SH PVC	500	33	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 07-22-2005

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("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. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And 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.