

8133 Paired - Low Capacitance Computer Cables for EIA RS-232/422

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
---	--

Description:

28 AWG stranded (7x36) tinned copper conductors, twisted pairs, Datalene insulation, overall 100% Beldfoil® shield, 28 AWG tinned copper drain wire, overall tinned copper braid shield (65% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	3
Total Number of Conductors	6
AWG	28
Stranding	7x36
Conductor Material	TC - Tinned Copper

INSULATION:

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

PAIR:

Pair Lay Length	.75 in.
Pair Twists/ft.	14.4

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	3	White/Green & Green/White
2	White/Orange & Orange/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 %
-------------------------	-------

8133 Paired - Low Capacitance Computer Cables for EIA RS-232/422

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	28
Outer Shield Drain Wire Stranding	7x36
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.270 in.
--------------------------	----------

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	35 lbs/1000 ft.
Min. Bend Radius (Install)	2.7 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2
AWM Specification	UL Style 2919 (30 V 80°C)

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
---------------	----------------------

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
--------------	---

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	120 Ohms
Nom. Capacitance Conductor to Conductor @ 1 KHz	11 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	20 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance of Pair @ 20 Deg. C	65 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	5.2 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919); 150 V RMS
Other Maximum Continuous Currents	.9 Amp per conductor @ 25°C

NOTES:

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:



8133 Paired - Low Capacitance Computer Cables for EIA RS-232/422

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8133 060100	3 PR #28 FHDPE SH PVC	100	3.8	CHROME	
8133 0601000	3 PR #28 FHDPE SH PVC	1000	34	CHROME	C
8133 060500	3 PR #28 FHDPE SH PVC	500	17	CHROME	

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 11-13-2003

© 2003 Belden Wire & Cable Company
All Rights Reserved.

Although Belden Electronics Division ("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.