

9938 Non-Paired - Low-Capacitance Computer Cable for EIA RS-232/423

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 2 and 2R (ICEA).pdf</p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	37
Total Number of Conductors	37
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

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

OVERALL CABLING:

Overall Cabling Color Code Chart :

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Number	Color	Number	Color
1	Black	20	Red/Green
2	White	21	Orange/Green
3	Red	22	Black/White/Red
4	Green	23	White/Black/Red
5	Orange	24	Red/Black/White
6	Blue	25	Green/Black/White
7	White/Black	26	Orange/Black/White
8	Red/Black	27	Blue/Black/White
9	Green/Black	28	Black/Red/Green
10	Orange/Black	29	White/Red/Green
11	Blue/Black	30	Red/Black/Green
12	Black/White	31	Green/Black/Orange
13	Red/White	32	Orange/Black/Green
14	Green/White	33	Blue/White/Orange
15	Blue/White	34	Black/White/Orange
16	Black/Red	35	White/Red/Orange
17	White/Red	36	Orange/White/Blue
18	Orange/Red	37	White/Red/Blue
19	Blue/Red		

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.500 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	126.5 lbs/1000 ft.
Min. Bend Radius (Install)	5 in.

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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
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	12 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	2.37 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:

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

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9938 060100	37 #24 FHDPE SH PVC	100	12.9	CHROME	C
9938 0601000	37 #24 FHDPE SH PVC	1000	139	CHROME	C
9938 060500	37 #24 FHDPE SH PVC	500	71.5	CHROME	C

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 06-03-2005

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