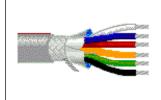


9938 Non-Paired - Low-Capacitance Computer Cable for EIA RS-232/423





For more information please call 1-800-Belden1

See Put-ups and Colors

Related Documents: No. 2 and 2R (ICEA).pdf

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

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .500 in.

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

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.

PUT-UPS AND COLORS:

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

C = CRATE REEL PUT-UP.

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

Detailed Specifications & Technical Data



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

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