

8138FO Paired - Low Capacitance Computer Cable for EIA RS-232/485

		<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>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	8
Total Number of Conductors	16
AWG	28
Stranding	7x36
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene
Lay Length	.88 in.
Twists/ft.	13.6

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	8	Red/Green & Green/Red

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	28
Outer Shield Drain Wire Stranding	7x36

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Outer Shield Drain Wire Conductor Material	TC - Tinned Copper
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.310 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +80°C
Non-UL Temperature Rating	80°C (UL AWM Style 2919)
Bulk Cable Weight	58 lbs/1000 ft.
Min. Bend Radius (Install)	3.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL2
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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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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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 @ 20 Deg. C	65 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	17.7 Ohms/1000 ft
Max. Operating Voltage - UL	30 V RMS (UL AWM Style 2919); 150 V RMS
Max. Recommended Current	.7 Amps 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.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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8138FO 0601000	8 PR #28 FHDPE SH PVC	1000	42	CHROME	C
8138FO 060500	8 PR #28 FHDPE SH PVC	500	22	CHROME	C

C = CRATE REEL PUT-UP.

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