

Detailed Specifications & Technical Data

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
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9829 Paired - Low Capacitance Computer Cable 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>Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
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Description:

24 AWG stranded (7x32) TC conductors, polyethylene 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	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Lay Length	1.5 in.
Twists/ft.	8

Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue & Blue/White	2	White/Orange & Orange/White

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 :

Outer Shield Drain Wire AWG	24
Outer Shield Drain Wire Stranding	Stranded

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Outer Shield Drain Wire Conductor Material TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .291 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range -30°C To +80°C
 UL Temperature Rating 80°C (UL AWM Style 2919)
 Bulk Cable Weight 41 lbs/1000 ft.
 Max. Recommended Pulling Tension 57 lbs.
 Min. Bend Radius (Install) 3 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

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance 100 Ohms
 Nom. Capacitance Conductor to Conductor @ 1 KHz 15.5 pF/ft
 Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 27.5 pF/ft
 Nominal Velocity of Propagation 66 %
 Nominal Delay 1.6 ns/ft
 Nom. Conductor DC Resistance @ 20 Deg. C 24 Ohms/1000 ft
 Nominal Outer Shield DC Resistance @ 20 Deg. C 4.4 Ohms/1000 ft
 Max. Operating Voltage - UL 30 V RMS (UL AWM Style 2919); 300 V RMS (CM)
 Max. Recommended Current 2.1 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
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9829 060100	2 PR #24 PER SH PVC	100	4.7	CHROME	
9829 0601000	2 PR #24 PER SH PVC	1000	43	CHROME	C
9829 060500	2 PR #24 PER SH PVC	500	22	CHROME	C

C = CRATE REEL PUT-UP.

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