

**9729 Paired - Shielded Twisted Pair Cable**

 	<p><b>For more information please call</b> <b>1-800-Belden1</b></p> <p><b>See Put-ups and Colors</b></p> <p><b>Color Code Chart : No. 3 for Paired Cables (Belden Standard).pdf</b></p>
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**Description:**

24 AWG stranded (7x32) tinned copper conductors, Datalene® insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

**INSULATION:**

Insulation Material Trade Name	Datalene®
Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.061 in.
Lay Length	1.1 in.
Twists/ft.	10.9

**Pair Color Code Chart :**

Number	Color	Number	Color
1	Black & Red	2	Black & White

**INNER SHIELD:**

Inner Shield Material Trade Name	Beldfoil® (Z-Fold®)
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	7x32



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Inner Shield Drain Wire Conductor Material TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material PVC - Polyvinyl Chloride

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter .266 in.

**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range -20°C To +80°C

UL Temperature Rating 60°C (UL AWM Style 2493)

Bulk Cable Weight 34.5 lbs/1000 ft.

Max. Recommended Pulling Tension 22 lbs.

Min. Bend Radius (Install) 3.25 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification CM

CEC/C(UL) Specification CM

AWM Specification UL Style 2493 (300 V 60°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

Plenum Number 89729, 82729

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance 100 Ohms

Nom. Inductance 0.23 µH/ft

Nom. Capacitance Conductor to Conductor @ 1 KHz 12.5 pF/ft

Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 23.2 pF/ft

Nominal Velocity of Propagation 76 %

Nom. Conductor DC Resistance @ 20 Deg. C 24 Ohms/1000 ft

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C 15 Ohms/1000 ft

Nom. Attenuation (dB/100 ft) :

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	.384			0.74
	.7056			0.87
	.768			0.88
	1.024			0.94
	1.4112			1.01
	1.536			1.03
	2.048			1.13
	2.8224			1.29
	3.072			1.35
	4.096			1.57
	5.6448			1.78
	6.144			1.84
	8.192			2.13
	11.2896			2.45
	12.288			2.57
	24.576			3.57

Max. Operating Voltage - UL 300 V RMS (UL AWM Style 2493)

Max. Recommended Current 1 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:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9729 060100	2 FS PR #24 FHDPE PVC	100	4.3	CHROME	
9729 0601000	2 FS PR #24 FHDPE PVC	1000	39	CHROME	C
9729 06010000	2 FS PR #24 FHDPE PVC	10000	390	CHROME	C Y
9729 060500	2 FS PR #24 FHDPE PVC	500	20.5	CHROME	C

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

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