

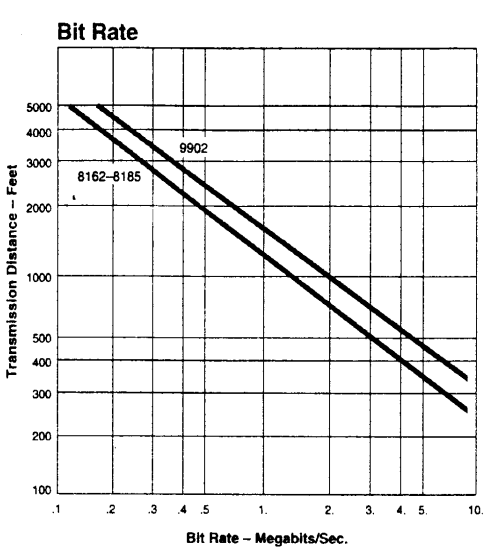
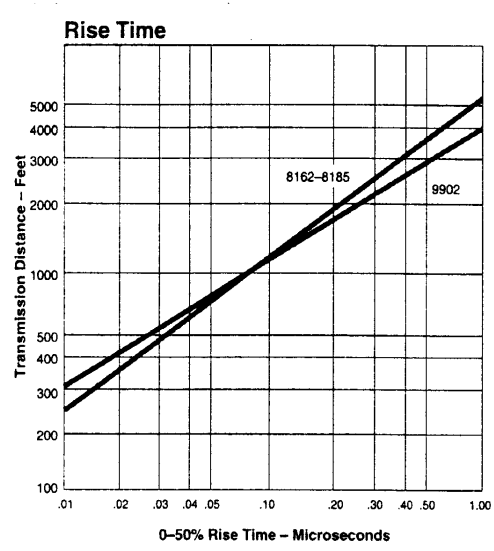
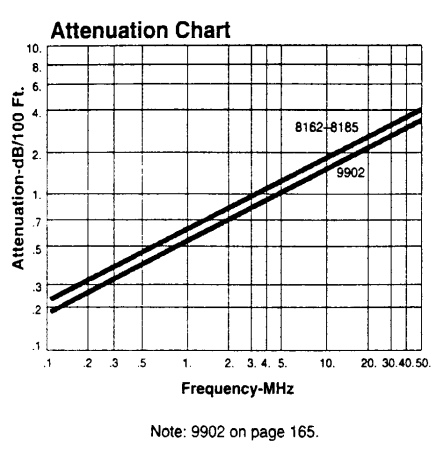
961-875



**Paired**  
 Individually Shielded Pairs with  
 Overall Foil/Braid Shield

Datalene insulation features are low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

**Datalene® Insulated Cables**



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.

Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

**Computer Cables**  
**Low Capacitance for EIA RS-232 and EIA RS-422 Applications**

Description UL AWM Style	Trade No. UL NEC C(UL) CEC Type	No. of Pairs	Standard Lengths		Std. Unit Lbs. ea.	Nominal D.C.R.		Nominal O.D.		Nom. Imp. (ohms)	Nom. Vel. of Prop.	Nominal Capacitance			
			ft.	m		Cond.	Shield	Inch	mm			* pF/ ft.	* pF/ m	** pF/ ft.	** pF/ m

**24 Gage**  
 Stranded Conductors (7x32)  
**Datalene® Insulated**

**Product Description**  
 Tinned copper, Datalene insulated, twisted pairs. Each pair individually shielded with Beldfoil® aluminum-polyester shield and 24 AWG stranded tinned copper drain wire. Overall Beldfoil aluminum-polyester shield plus 65% tinned copper braid shield. Chrome PVC jacket. Passes VW-1 Vertical Wire Flame Test. Color code chart No. 3, Technical Information Section.

 Z-Fold®  Beldfoil 100% Shield Coverage  2493 60°C	<b>8162</b> NEC CM CEC CM	2	100 500 1000	30.5 152.4 304.8	6.5 29.3 61.9	24Ω/M' 78.7Ω/km	Individual 18Ω/M' 59.1Ω/km  Overall 4.3Ω/M' 14.1Ω/km	.343	8.71	100	78%	12.5	41	22	72.2
	<b>8163</b> NEC CM CEC CM	3	100 500 1000	30.5 152.4 304.8	7.3 33.9 69.6	24Ω/M' 78.7Ω/km	Individual 18Ω/M' 59.1Ω/km  Overall 4.4Ω/M' 14.4Ω/km	.359	9.12	100	78%	12.5	41	22	72.2

# Technical Information

## Belden® Color Code Charts

### Color Code Chart No. 1

**Color Code Chart No. 2 and 2R** (ICEA—Insulated Cable Engineers Association Standard) 2R—These cables feature a ring band striping. 2—These cables feature a spiral stripe.

Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color
1st	Black	1st	Black	14th	Green/White	27th	Blue/Black/White	40th	Red/White/Green
2nd	White	2nd	White	15th	Blue/White	28th	Black/Red/Green	41st	Green/White/Blue
3rd	Red	3rd	Red	16th	Black/Red	29th	White/Red/Green	42nd	Orange/Red/Green
4th	Green	4th	Green	17th	White/Red	30th	Red/Black/Green	43rd	Blue/Red/Green
5th	Brown	5th	Orange	18th	Orange/Red	31st	Green/Black/Orange	44th	Black/White/Blue
6th	Blue	6th	Blue	19th	Blue/Red	32nd	Orange/Black/Green	45th	White/Black/Blue
7th	Orange	7th	White/Black	20th	Red/Green	33rd	Blue/White/Orange	46th	Red/White/Blue
8th	Yellow	8th	Red/Black	21st	Orange/Green	34th	Black/White/Orange	47th	Green/Orange/Red
9th	Purple	9th	Green/Black	22nd	Black/White/Red	35th	White/Red/Orange	48th	Orange/Red/Blue
10th	Gray	10th	Orange/Black	23rd	White/Black/Red	36th	Orange/White/Blue	49th	Blue/Orange/Red
11th	Pink	11th	Blue/Black	24th	Red/Black/White	37th	White/Red/Blue	50th	Black/Orange/Red
12th	Tan	12th	Black/White	25th	Green/Black/White	38th	Black/White/Green		
		13th	Red/White	26th	Orange/Black/White	39th	White/Black/Green		

18 Gage conductors in cables 8446 through 8449 are Black and White.

### Color Code Chart No. 3 for Paired Cables (Belden Standard)

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	11	Red & Yellow	21	White & Brown	31	Purple & White
2	Black & White	12	Red & Brown	22	White & Orange	32	Purple & Dark Green
3	Black & Green	13	Red & Orange	23	Blue & Yellow	33	Purple & Light Blue
4	Black & Blue	14	Green & White	24	Blue & Brown	34	Purple & Yellow
5	Black & Yellow	15	Green & Blue	25	Blue & Orange	35	Purple & Brown
6	Black & Brown	16	Green & Yellow	26	Brown & Yellow	36	Purple & Black
7	Black & Orange	17	Green & Brown	27	Brown & Orange	37	Gray & White
8	Red & White	18	Green & Orange	28	Orange & Yellow		
9	Red & Green	19	White & Blue	29	Purple & Orange		
10	Red & Blue	20	White & Yellow	30	Purple & Red		

### Color Code Chart No. 4 for Paired Cables

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1st	White & Blue	6th	Red & Blue	11th	Black & Blue	16th	Yellow & Blue	21st	Violet & Blue
2nd	White & Orange	7th	Red & Orange	12th	Black & Orange	17th	Yellow & Orange	22nd	Violet & Orange
3rd	White & Green	8th	Red & Green	13th	Black & Green	18th	Yellow & Green	23rd	Violet & Green
4th	White & Brown	9th	Red & Brown	14th	Black & Brown	19th	Yellow & Brown	24th	Violet & Brown
5th	White & Slate	10th	Red & Slate	15th	Black & Slate	20th	Yellow & Slate	25th	Violet & Slate

### Color Code Chart No. 5 for Paired Cables (Western Electric Standard)

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	White / Blue Stripe Blue / White Stripe	6	Red / Blue Stripe Blue / Red Stripe	11	Black / Blue Stripe Blue / Black Stripe	16	Yellow / Blue Stripe Blue / Yellow Stripe	21	Purple / Blue Stripe Blue / Purple Stripe
2	White / Orange Stripe Orange / White Stripe	7	Red / Orange Stripe Orange / Red Stripe	12	Black / Orange Stripe Orange / Black Stripe	17	Yellow / Orange Stripe Orange / Yellow Stripe	22	Purple / Orange Stripe Orange / Purple Stripe
3	White / Green Stripe Green / White Stripe	8	Red / Green Stripe Green / Red Stripe	13	Black / Green Stripe Green / Black Stripe	18	Yellow / Green Stripe Green / Yellow Stripe	23	Purple / Green Stripe Green / Purple Stripe
4	White / Brown Stripe Brown / White Stripe	9	Red / Brown Stripe Brown / Red Stripe	14	Black / Brown Stripe Brown / Black Stripe	19	Yellow / Brown Stripe Brown / Yellow Stripe	24	Purple / Brown Stripe Brown / Purple Stripe
5	White / Gray Stripe Gray / White Stripe	10	Red / Gray Stripe Gray / Red Stripe	15	Black / Gray Stripe Gray / Black Stripe	20	Yellow / Gray Stripe Gray / Yellow Stripe	25	Purple / Gray Stripe Gray / Purple Stripe