

Paired
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.

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. Overall Beldfoil® aluminum-polyester shield. 24 AWG stranded tinned copper drain wire. Overall tinned copper braid shield (65% coverage). Chrome PVC jacket. Color code chart No. 5, Technical Information Section.

 Z-Fold® Beldfoil 100% Shield Coverage 2919 30V 80°C	8102 NEC CM CEC CM	2	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.0 19.8 40.4 369.0	24.0Ω/M' 78.7Ω/km	4.6Ω/M' 15.1Ω/km	.270	6.86	100	78%	12.5	41.0	22.0	72.2
	8103 NEC CM CEC CM	3	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.0 22.4 46.0 439.2	24.0Ω/M' 78.7Ω/km	3.8Ω/M' 12.5Ω/km	.283	7.19	100	78%	12.5	41.0	22.0	72.2
	8104 NEC CM CEC CM	4	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.7 25.8 50.4 483.5	24.0Ω/M' 78.7Ω/km	4.1Ω/M' 13.5Ω/km	.302	7.67	100	78%	12.5	41.0	22.0	72.2
	8105 NEC CM CEC CM	5	100 500 1000	30.5 152.4 304.8	6.1 27.9 57.6	24.0Ω/M' 78.7Ω/km	4.2Ω/M' 13.8Ω/km	.316	8.03	100	78%	12.5	41.0	22.0	72.2
	8106 NEC CM CEC CM	6	100 500 1000	30.5 152.4 304.8	7.0 33.8 65.2	24.0Ω/M' 78.7Ω/km	3.5Ω/M' 11.5Ω/km	.341	8.66	100	78%	12.5	41.0	22.0	72.2
	8107 NEC CM CEC CM	7	100 500 1000	30.5 152.4 304.8	7.2 35.1 66.5	24.0Ω/M' 78.7Ω/km	3.5Ω/M' 11.5Ω/km	.341	8.66	100	78%	12.5	41.0	22.0	72.2
	8108 NEC CM CEC CM	8	100 500 1000	30.5 152.4 304.8	7.8 39.6 77.0	24.0Ω/M' 78.7Ω/km	2.7Ω/M' 8.9Ω/km	.370	9.40	100	78%	12.5	41.0	22.0	72.2
	8110 NEC CM CEC CM	10	100 500 1000	30.5 152.4 304.8	8.9 47.9 91.6	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.427	10.85	100	78%	12.5	41.0	22.0	72.2
	8112 NEC CM CEC CM	12½ 12 pr. +1 single	100 500 1000	30.5 152.4 304.8	10.6 52.4 100.3	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.440	11.18	100	78%	12.5	41.0	22.0	72.2
	8115 NEC CM CEC CM	15	100 500 1000	30.5 152.4 304.8	13.1 62.8 109.3	24.0Ω/M' 78.7Ω/km	2.6Ω/M' 8.5Ω/km	.495	12.57	100	78%	12.5	41.0	22.0	72.2
	8118 NEC CM CEC CM	18	100 500 1000	30.5 152.4 304.8	16.1 75.4 147.2	24.0Ω/M' 78.7Ω/km	2.1Ω/M' 6.9Ω/km	.537	13.64	100	78%	12.5	41.0	22.0	72.2
8125 NEC CM CEC CM	25	100 500 1000	30.5 152.4 304.8	23.0 96.6 191.0	24.0Ω/M' 78.7Ω/km	2.0Ω/M' 6.6Ω/km	.632	16.05	100	78%	12.5	41.0	22.0	72.2	

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

Technical Information

Belden® Color Code Charts

Color Code Chart No. 1

Cond.	Color
1st	Black
2nd	White
3rd	Red
4th	Green
5th	Brown
6th	Blue
7th	Orange
8th	Yellow
9th	Purple
10th	Gray
11th	Pink
12th	Tan

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

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

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	6	Red / Blue Stripe	11	Black / Blue Stripe	16	Yellow / Blue Stripe	21	Purple / Blue Stripe
2	Blue / White Stripe	7	Blue / Red Stripe	12	Blue / Black Stripe	17	Blue / Yellow Stripe	22	Blue / Purple Stripe
3	White / Orange Stripe	8	Red / Orange Stripe	13	Black / Orange Stripe	18	Yellow / Orange Stripe	23	Purple / Orange Stripe
4	Orange / White Stripe	9	Orange / Red Stripe	14	Orange / Black Stripe	19	Orange / Yellow Stripe	24	Orange / Purple Stripe
5	White / Green Stripe	10	Red / Green Stripe	15	Black / Green Stripe	20	Yellow / Green Stripe	25	Purple / Green Stripe
	Green / White Stripe		Green / Red Stripe		Green / Black Stripe		Green / Yellow Stripe		Green / Purple Stripe
	White / Brown Stripe		Red / Brown Stripe		Black / Brown Stripe		Yellow / Brown Stripe		Purple / Brown Stripe
	Brown / White Stripe		Brown / Red Stripe		Brown / Black Stripe		Brown / Yellow Stripe		Brown / Purple Stripe
	White / Gray Stripe		Red / Gray Stripe		Black / Gray Stripe		Yellow / Gray Stripe		Purple / Gray Stripe
	Gray / White Stripe		Gray / Red Stripe		Gray / Black Stripe		Gray / Yellow Stripe		Gray / Purple Stripe