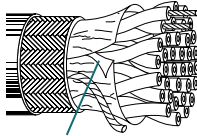


Overall Foil/Braid Shield

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	8102	NEC:	2	See	100	30.5	4.8	2.2	24.0Ω/M'	4.6Ω/M'	.270	6.86	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	19.0	8.6	78.7Ω/km	15.1Ω/km								
		CEC:		(Tech Info	1000	304.8	38.0	17.3										
		CM		Section)	10000	3048.0	380.0	172.7										
	8103	NEC:	3	See	100	30.5	4.6	2.1	24.0Ω/M'	3.8Ω/M'	.283	7.19	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	21.5	9.8	78.7Ω/km	12.5Ω/km								
		CEC:		(Tech Info	1000	304.8	42.0	19.1										
		CM		Section)	10000	3048.0	430.0	195.5										
Shorting Fold	8104	NEC:	4	See	100	30.5	5.1	2.3	24.0Ω/M'	4.1Ω/M'	.302	7.67	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	23.0	10.5	78.7Ω/km	13.5Ω/km								
		CEC:		(Tech Info	1000	304.8	46.0	20.9										
		CM		Section)	10000	3048.0	490.0	222.7										
	8105	NEC:	5	See	100	30.5	5.8	2.6	24.0Ω/M'	4.2Ω/M'	.316	8.03	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	28.0	12.7	78.7Ω/km	13.8Ω/km								
		CEC:		(Tech Info	1000	304.8	53.0	24.1										
		CM		Section)														
	8106	NEC:	6	See	100	30.5	6.3	2.9	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	30.5	13.9	78.7Ω/km	11.5Ω/km								
		CEC:		(Tech Info	1000	304.8	58.0	26.4										
		CM		Section)														
	8107	NEC:	7	See	100	30.5	6.8	3.1	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	33.0	15.0	78.7Ω/km	11.5Ω/km								
		CEC:		(Tech Info	1000	304.8	63.0	28.6										
		CM		Section)														
	8108	NEC:	8	See	100	30.5	7.6	3.5	24.0Ω/M'	2.7Ω/M'	.370	9.40	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	37.5	17.1	78.7Ω/km	8.9Ω/km								
		CEC:		(Tech Info	1000	304.8	72.0	32.8										
		CM		Section)														
	8110	NEC:	10	See	100	30.5	9.9	4.5	24.0Ω/M'	2.4Ω/M'	.427	10.85	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	45.5	20.7	78.7Ω/km	7.9Ω/km								
		CEC:		(Tech Info	1000	304.8	90.0	40.9										
		CM		Section)														
	8112	NEC:	12.5 (12 pairs + 1 single)	See	100	30.5	10.5	4.8	24.0Ω/M'	2.4Ω/M'	.440	11.18	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	49.0	22.3	78.7Ω/km	7.9Ω/km								
		CEC:		(Tech Info	1000	304.8	97.0	44.1										
		CM		Section)														
	8115	NEC:	15	See	500	152.4	63.5	28.9	24.0Ω/M'	2.6Ω/M'	.495	12.57	100	78%	12.5	41	22	72.2
		CM		Chart 5	1000	304.8	116.0	52.7	78.7Ω/km	8.5Ω/km								
		CEC:		(Tech Info														
		CM		Section)														
	8118	NEC:	18	See	100	30.5	16.3	7.4	24.0Ω/M'	2.1Ω/M'	.537	13.64	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	70.5	32.0	78.7Ω/km	6.9Ω/km								
		CEC:		(Tech Info	1000	304.8	144.0	65.5										
		CM		Section)														
	8125	NEC:	25	See	100	30.5	22.4	10.2	24.0Ω/M'	2.0Ω/M'	.632	16.05	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	98.0	44.5	78.7Ω/km	6.6Ω/km								
		CEC:		(Tech Info	1000	304.8	191.0	86.8										
		CM		Section)														

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

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.



Belden® Color Code Charts

Color Code Chart No. 1

Cond. No.	Color
1	Black
2	White
3	Red
4	Green
5	Brown
6	Blue
7	Orange
8	Yellow
9	Purple
10	Gray
11	Pink
12	Tan

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

Color Code Chart Nos. 2 and 2R — ICEA (Insulated Cable Engineers Association) Standard*

Cond. No.	Color	Cond. No.	Color	Cond. No.	Color	Cond. No.	Color
1	Black	14	Green/White Stripe	27	Blue/Black/White	40	Red/White/Green
2	White	15	Blue/White Stripe	28	Black/Red/Green	41	Green/White/Blue
3	Red	16	Black/Red Stripe	29	White/Red/Green	42	Orange/Red/Green
4	Green	17	White/Red Stripe	30	Red/Black/Green	43	Blue/Red/Green
5	Orange	18	Orange/Red Stripe	31	Green/Black/Orange	44	Black/White/Blue
6	Blue	19	Blue/Red Stripe	32	Orange/Black/Green	45	White/Black/Blue
7	White/Black Stripe	20	Red/Green Stripe	33	Blue/White/Orange	46	Red/White/Blue
8	Red/Black Stripe	21	Orange/Green Stripe	34	Black/White/Orange	47	Green/Orange/Red
9	Green/Black Stripe	22	Black/White/Red	35	White/Red/Orange	48	Orange/Red/Blue
10	Orange/Black Stripe	23	White/Black/Red	36	Orange/White/Blue	49	Blue/Orange/Red
11	Blue/Black Stripe	24	Red/Black/White	37	White/Red/Blue	50	Black/Orange/Red
12	Black/White Stripe	25	Green/Black/White	38	Black/White/Green		
13	Red/White Stripe	26	Orange/Black/White	39	White/Black/Green		

* 2 = Spiral Stripe
2R = Ring Band Striping

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

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

