

Paired Computer Cables

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

Overall Foil/Braid Shield • RS-232/422



24 AWG • Datalene®/PVC
 • NEC: CM
 • CEC: CM

24 AWG • Datalene/LSZH
 • Flame IEC 60332-3-24
 • Smoke IEC 6103

Part No.	Pairs	Color Code	OD (Nom)		Insulation Thickness		Jacket Thickness		Capacitance				Additional Features/Ratings	
			Inch	mm	Inch	mm	Inch	mm	Cond. - Cond.		Cond. - Shield			
										pF/Ft	pF/m	pF/Ft	pF/m	

24 AWG • Datalene®/PVC

Stranded (7 x 32) TC Conductors • Datalene Insulation • Overall Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire • Chrome PVC Jacket														
8102	2	Chart 5	.270	6.86										
8103	3	Chart 5	.283	7.19										
8104	4	Chart 5	.302	7.67										
8105	5	Chart 5	.316	8.03										
8106	6	Chart 5	.341	8.66	.013	.33	.035	.89						
8107	7	Chart 5	.341	8.66										
8108	8	Chart 5	.370	9.40					12.5	41	22	72.2	UL AWM Style 2919 (30 V, +80 °C)	
8110	10	Chart 5	.427	10.85									100 Ω Nom. Impedance	
8112	12.5	Chart 5	.440	11.18									78% Velocity of Prop.	
8115	15	Chart 5	.495	12.57	.015	.38	.040	1.02					Conductor DCR (Nom):	
8118	18	Chart 5	.537	13.64	.015	.38	.048	1.22					24.0 Ω/1000'	
8125	25	Chart 5	.632	16.05	.015	.38	.050	1.27					(78.7 Ω/km)	

24 AWG • Datalene/LSZH

Stranded (7 x 32) TC Conductors • Datalene Insulation • Overall Beldfoil® + 65% TC Braid • 24 AWG • Stranded TC Drain Wire • Chrome LSZH Jacket														
8102NH	2	Chart 5	.270	6.90	.013	.33	.031	.80						
8110NH	10	Chart 5	.410	10.29	.013	.33	.033	.83	12.0	41	22	72.2	100 Ω Nom. Impedance,	
													78% Velocity of Prop.,	
													Conductor DCR (Nom):	
													24.0 Ω/1000'	
													(78.7 Ω/km)	

TC = Tinned Copper • PVC = Polyvinyl Chloride • LSZH = Low Smoke Zero Halogen | Belden Color Code Charts can be found at page 344.

Belden Conductor Color Code Charts

Color Code Chart 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

Color Code Chart 2 and 2R: 2 = Spiral Stripe, 2R = Ring Band Stripe

Cond. No.	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black Stripe
8	Red/Black Stripe
9	Green/Black Stripe
10	Orange/Black Stripe
11	Blue/Black Stripe
12	Black/White Stripe
13	Red/White Stripe

Cond. No.	Color
14	Green/White Stripe
15	Blue/White Stripe
16	Black/Red Stripe
17	White/Red Stripe
18	Orange/Red Stripe
19	Blue/Red Stripe
20	Red/Green Stripe
21	Orange/Green Stripe
22	Black/White/Red
23	White/Black/Red
24	Red/Black/White
25	Green/Black/White
26	Orange/Black/White

Cond. No.	Color
27	Blue/Black/White
28	Black/Red/Green
29	White/Red/Green
30	Red/Black/Green
31	Green/Black/Orange
32	Orange/Black/Green
33	Blue/White/Orange
34	Black/White/Orange
35	White/Red/Orange
36	Orange/White/Blue
37	White/Red/Blue
38	Black/White/Green
39	White/Black/Green

Cond. No.	Color
40	Red/White/Green
41	Green/White/Blue
42	Orange/Red/Green
43	Blue/Red/Green
44	Black/White/Blue
45	White/Black/Blue
46	Red/White/Blue
47	Green/Orange/Red
48	Orange/Red/Blue
49	Blue/Orange/Red
50	Black/Orange/Red

Color Code Chart 3: Belden Standard for Paired Cable

Pair	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White
9	Red & Green
10	Red & Blue

Pair	Color
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow
17	Green & Brown
18	Green & Orange
19	White & Blue
20	White & Yellow

Pair	Color
21	White & Brown
22	White & Orange
23	Blue & Yellow
24	Blue & Brown
25	Blue & Orange
26	Brown & Yellow
27	Brown & Orange
28	Orange & Yellow
29	Purple & Orange
30	Purple & Red

Pair	Color
31	Purple & White
32	Purple & Green
33	Purple & Blue
34	Purple & Yellow
35	Purple & Brown
36	Purple & Black
37	Gray & White

Color Code Chart 4: Belden Standard for Paired Cable

Pair	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue
7	Red & Orange

Pair	Color
8	Red & Green
9	Red & Brown
10	Red & Gray
11	Black & Blue
12	Black & Orange
13	Black & Green
14	Black & Brown

Pair	Color
15	Black & Gray
16	Yellow & Blue
17	Yellow & Orange
18	Yellow & Green
19	Yellow & Brown
20	Yellow & Gray
21	Purple & Blue

Pair	Color
22	Purple & Orange
23	Purple & Green
24	Purple & Brown
25	Purple & Gray

Color Code Chart 5: Western Electric Standard for Paired Cable

Pair	Color
1	White/Blue Stripe & Blue/White Stripe
2	White/Orange Stripe & Orange/White Stripe
3	White/Green Stripe & Green/White Stripe
4	White/Brown Stripe & Brown/White Stripe
5	White/Gray Stripe & Gray/White Stripe
6	Red/Blue Stripe & Blue/Red Stripe
7	Red/Orange Stripe & Orange/Red Stripe

Pair	Color
8	Red/Green Stripe & Green/Red Stripe
9	Red/Brown Stripe & Brown/Red Stripe
10	Red/Gray Stripe & Gray/Red Stripe
11	Black/Blue Stripe & Blue/Black Stripe
12	Black/Orange Stripe & Orange/Black Stripe
13	Black/Green Stripe & Green/Black Stripe
14	Black/Brown Stripe & Brown/Black Stripe

Pair	Color
15	Black/Gray Stripe & Gray/Black Stripe
16	Yellow/Blue Stripe & Blue/Yellow Stripe
17	Yellow/Orange Stripe & Orange/Yellow Stripe
18	Yellow/Green Stripe & Green/Yellow Stripe
19	Yellow/Brown Stripe & Brown/Yellow Stripe
20	Yellow/Gray Stripe & Gray/Yellow Stripe
21	Purple/Blue Stripe & Blue/Purple Stripe

Pair	Color
22	Purple/Orange Stripe & Orange/Purple Stripe
23	Purple/Green Stripe & Green/Purple Stripe
24	Purple/Brown Stripe & Brown/Purple Stripe
25	Purple/Gray Stripe & Gray/Purple Stripe