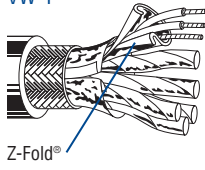


# Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio 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
<b>24 AWG Stranded (7x32) TC Conductors • Twisted Pairs Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire<sup>▲</sup></b>																		
<b>Datalene® Insulation • Chrome PVC Jacket</b>																		
UL AWM Style 2493 (60°C) VW-1  	<b>8162</b>	NEC:	2	See	100	30.5	6.2	2.8	24.0Ω/M'	Individual:	.343	8.71	100	78%	12.5	41	22	72.2
		CM		Chart 3	500	152.4	30.0	13.6	78.7Ω/km	18.0Ω/M'								
	CEC:	(Tech Info Section)	1000	304.8	57.0	25.9	59.1Ω/km	Overall:										
	CM		4.3Ω/M'	14.1Ω/km														
	<b>8163</b>	NEC:	3	See	100	30.5	7.0	3.2	24.0Ω/M'	Individual:	.359	9.12	100	78%	12.5	41	22	72.2
		CM		Chart 3	500	152.4	34.0	15.5	78.7Ω/km	18.0Ω/M'								
	CEC:	(Tech Info Section)	1000	304.8	66.0	30.0	59.1Ω/km	Overall:										
CM	4.4Ω/M'		14.4Ω/km															
<b>8164</b>	NEC:	4	See	100	30.5	8.2	3.7	24.0Ω/M'	Individual:	.388	9.86	100	78%	12.5	41	22	72.2	
	CM		Chart 3	500	152.4	39.5	18.0	78.7Ω/km	18.0Ω/M'									
CEC:	(Tech Info Section)	1000	304.8	79.0	35.9	59.1Ω/km	Overall:											
CM		3.2Ω/M'	10.5Ω/km															
<b>8165</b>	NEC:	5	See	100	30.5	9.0	4.1	24.0Ω/M'	Individual:	.413	10.49	100	78%	12.5	41	22	72.2	
	CM		Chart 3	500	152.4	45.0	20.5	78.7Ω/km	18.0Ω/M'									
CEC:	(Tech Info Section)	1000	304.8	89.0	40.5	59.1Ω/km	Overall:											
CM		3.4Ω/M'	11.2Ω/km															
<b>8166</b>	NEC:	6	See	100	30.5	9.0	4.1	24.0Ω/M'	Individual:	.446	11.33	100	78%	12.5	41	22	72.2	
	CM		Chart 3	500	152.4	50.0	22.7	78.7Ω/km	18.0Ω/M'									
CEC:	(Tech Info Section)	1000	304.8	99.0	45.0	59.1Ω/km	Overall:											
CM		2.8Ω/M'	9.2Ω/km															
<b>8167</b>	NEC:	7	See	500	152.4	52.5	23.9	24.0Ω/M'	Individual:	.446	11.33	100	78%	12.5	41	22	72.2	
	CM		Chart 3	1000	304.8	103.0	46.7	78.7Ω/km	18.0Ω/M'									
CEC:	(Tech Info Section)	59.1Ω/km	Overall:															
CM		2.8Ω/M'	9.2Ω/km															

<sup>▲</sup>24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

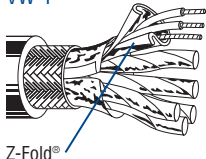
\*Capacitance between conductors.

\*\*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.

## Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio 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
<b>24 AWG</b> Stranded (7x32) TC Conductors • Twisted Pairs Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire <sup>▲</sup>																		
<b>Datalene® Insulation • Chrome PVC Jacket</b>																		
UL AWM Style 2493 (60°C) VW-1   Z-Fold®	<b>8168</b>	NEC:	8	See Chart 3 (Tech Info Section)	100	30.5	10.8	4.9	24.0Ω/M'	Individual:	.479 12.17	100	78%	12.5	41	22	72.2	
		CM			500	152.4	61.5	28.0	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	115.0	52.3	59.1Ω/km	Overall:								
		CM							3.0Ω/M'	9.8Ω/km								
	<b>8170</b>	NEC:	10	See Chart 3 (Tech Info Section)	100	30.5	18.0	8.2	24.0Ω/M'	Individual:	.584 14.83	100	78%	12.5	41	22	72.2	
CM		500			152.4	83.0	37.7	78.7Ω/km	18.0Ω/M'									
CEC:		1000			304.8	164.0	74.5	59.1Ω/km	Overall:									
CM								2.7Ω/M'	8.9Ω/km									
	<b>8175</b>	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	22.6	10.3	24.0Ω/M'	Individual:	.665 16.89	100	78%	12.5	41	22	72.2	
CM		500			152.4	107.5	48.9	78.7Ω/km	18.0Ω/M'									
CEC:		1000			304.8	210.0	95.5	59.1Ω/km	Overall:									
CM								2.5Ω/M'	8.2Ω/km									
	<b>8178</b>	NEC:	18	See Chart 3 (Tech Info Section)	100	30.5	24.6	11.2	24.0Ω/M'	Individual:	.686 17.42	100	78%	12.5	41	22	72.2	
CM		500			152.4	117.0	53.2	78.7Ω/km	18.0Ω/M'									
CEC:		1000			304.8	238.0	108.2	59.1Ω/km	Overall:									
CM								2.6Ω/M'	8.5Ω/km									
	<b>8185</b>	NEC:	25	See Chart 3 (Tech Info Section)	100	30.5	32.3	14.7	24.0Ω/M'	Individual:	.822 20.88	100	78%	12.5	41	22	72.2	
CM		500			152.4	160.5	73.0	78.7Ω/km	18.0Ω/M'									
CEC:		1000			304.8	356.0	161.8	59.1Ω/km	Overall:									
CM								2.4Ω/M'	7.9Ω/km									

<sup>▲</sup>24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

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