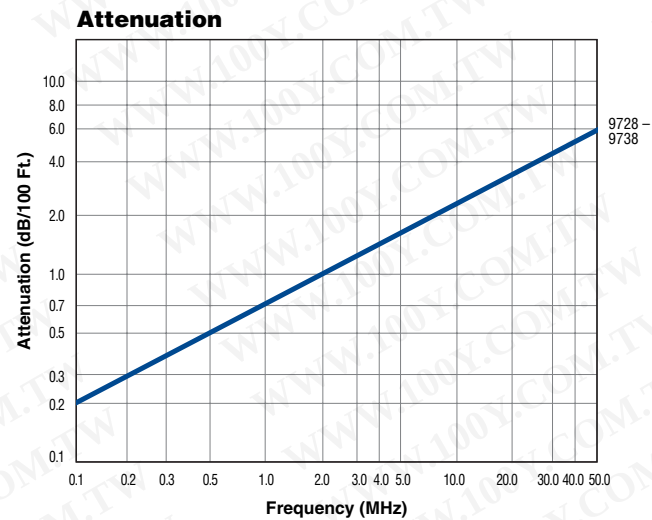
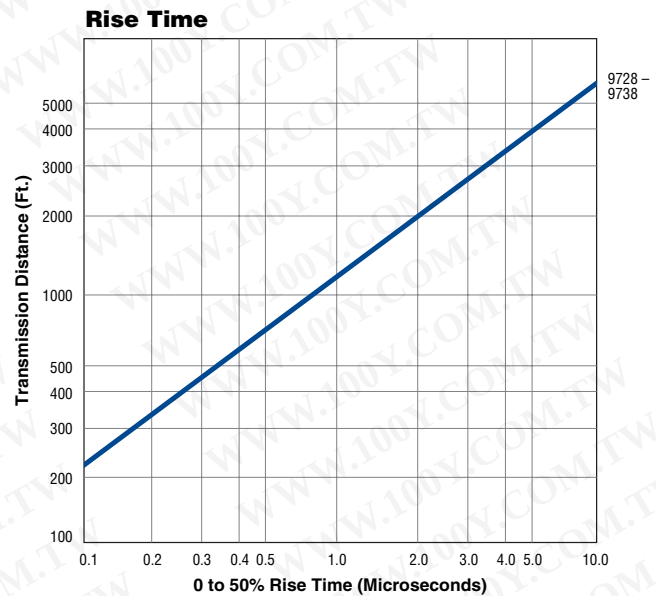
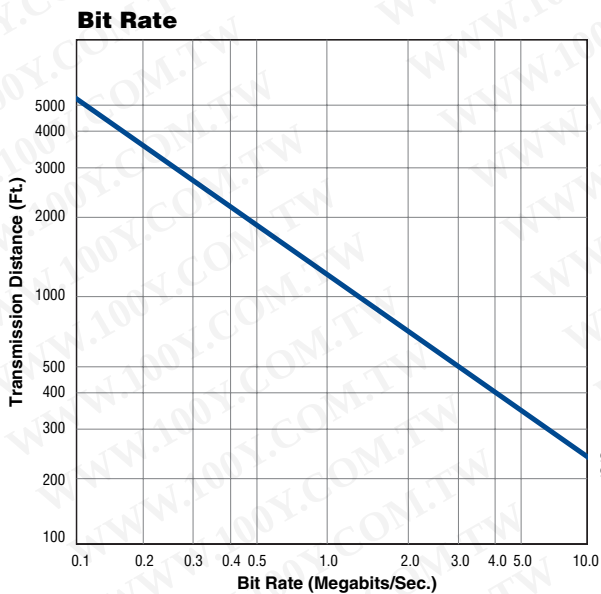


Individually Shielded Cable Characteristics



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

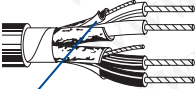


Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded

Low-Capacitance 100 Ohm Computer Cables for 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
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 Z-Fold®	9729	NEC:	2	See	100	30.5	4.3	2.0	24.0Ω/M'	15.0Ω/M'	.266	6.76	100	76%	12.5	41.0	23.2	76.1
		CM		Chart 3	500	152.4	20.5	9.3	78.7Ω/km	49.2Ω/km	For Plenum version of 9729, see 89729 or 82729.							
	CEC:	(Tech Info	1000	304.8	39.0	17.7	10000†	3048.0	390.0	177.8								
	CM	Section)																
	9730	NEC:	3	See	100	30.5	5.1	2.3	24.0Ω/M'	15.0Ω/M'	.334	8.48	100	76%	12.5	41.0	23.2	76.1
		CM		Chart 3	500	152.4	24.5	11.1	78.7Ω/km	49.2Ω/km	For Plenum version of 9730, see 89730.							
	CEC:	(Tech Info	1000	304.8	46.0	20.9	10000†	3048.0	520.0	236.4								
	CM	Section)																
	9728	NEC:	4	See	100	30.5	6.0	2.7	24.0Ω/M'	15.0Ω/M'	.363	9.22	100	76%	12.5	41.0	23.2	76.1
		CM		Chart 3	500	152.4	29.0	13.2	78.7Ω/km	49.2Ω/km	For Plenum version of 9728, see 89728.							
CEC:	(Tech Info	1000	304.8	51.0	23.1	10000†	3048.0	520.0	236.4									
CM	Section)																	
9731	NEC:	6	See	100	30.5	7.4	3.4	24.0Ω/M'	15.0Ω/M'	.421	10.69	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	500	152.4	42.0	19.1	78.7Ω/km	49.2Ω/km	For Plenum version of 9731, see 89731.								
CEC:	(Tech Info	1000	304.8	83.0	37.7	10000†	3048.0	520.0	236.4									
CM	Section)																	
9732	NEC:	9	See	100	30.5	9.9	4.5	24.0Ω/M'	15.0Ω/M'	.488	12.40	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	500	152.4	57.0	26.0	78.7Ω/km	49.2Ω/km	For Plenum version of 9732, see 89732.								
CEC:	(Tech Info	1000	304.8	106.0	48.1	10000†	3048.0	520.0	236.4									
CM	Section)																	
9733	NEC:	11	See	500	152.4	75.0	34.1	24.0Ω/M'	15.0Ω/M'	.575	14.61	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	154.0	70.0	78.7Ω/km	49.2Ω/km	For Plenum version of 9733, see 89733.								
CEC:	(Tech Info	1000	304.8	154.0	70.0	10000†	3048.0	520.0	236.4									
CM	Section)																	
9734	NEC:	12	See	500	152.4	79.5	36.1	24.0Ω/M'	15.0Ω/M'	.575	14.61	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	154.0	70.0	78.7Ω/km	49.2Ω/km	For Plenum version of 9734, see 89734.								
CEC:	(Tech Info	1000	304.8	154.0	70.0	10000†	3048.0	520.0	236.4									
CM	Section)																	
9735	NEC:	15	See	500	152.4	95.0	43.2	24.0Ω/M'	15.0Ω/M'	.639	16.23	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	185.0	84.1	78.7Ω/km	49.2Ω/km	For Plenum version of 9735, see 89735.								
CEC:	(Tech Info	1000	304.8	185.0	84.1	10000†	3048.0	520.0	236.4									
CM	Section)																	
9736	NEC:	17	See	500	152.4	103.5	47.0	24.0Ω/M'	15.0Ω/M'	.671	17.04	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	210.0	95.5	78.7Ω/km	49.2Ω/km	For Plenum version of 9736, see 89736.								
CEC:	(Tech Info	1000	304.8	210.0	95.5	10000†	3048.0	520.0	236.4									
CM	Section)																	
9737	NEC:	19	See	1000	304.8	231.0	105.0	24.0Ω/M'	15.0Ω/M'	.671	17.04	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	231.0	105.0	78.7Ω/km	49.2Ω/km	For Plenum version of 9737, see 89737.								
CEC:	(Tech Info	1000	304.8	231.0	105.0	10000†	3048.0	520.0	236.4									
CM	Section)																	
9738	NEC:	27	See	1000	304.8	334.0	151.8	24.0Ω/M'	15.0Ω/M'	.797	20.24	100	76%	12.5	41.0	23.2	76.1	
	CM		Chart 3	1000	304.8	334.0	151.8	78.7Ω/km	49.2Ω/km	For Plenum version of 9738, see 89738.								
CEC:	(Tech Info	1000	304.8	334.0	151.8	10000†	3048.0	520.0	236.4									
CM	Section)																	

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

† Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.34.

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.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

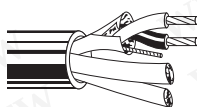
Individually Shielded

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio Applications
Plenum-Rated

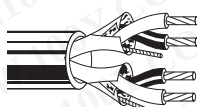
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	300V RMS	89729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.261 6.63	100	76%	13.5	44	22.5	73.8
		89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.278 7.06	100	76%	13.5	44	22.5	73.8
		89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.307 7.80	100	76%	13.5	44	22.5	73.8
		89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000†	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.361 9.17	100	76%	13.5	44	22.5	73.8
		89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000	304.8	108.0	49.0	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.429 10.90	100	76%	13.5	44	22.5	73.8

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.255 6.48	100	76%	13.5	44	22.5	73.8
--	----------	--------------	--------------------------------	---	--	----------------	------------------	--------------	--------------	----------------------	----------------------	--------------	-----	-----	------	----	------	------

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

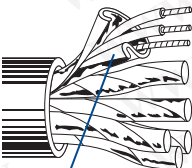
**Capacitance between one conductor and other conductors connected to shield.

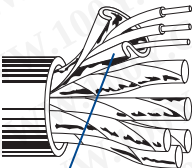
† Spools are one piece, but length may vary ±10% from length shown.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded

Audio, Control and Instrumentation Cables

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) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	9990	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	16.0 36.0	7.3 16.4	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.255 6.48	60	66%	25	82	47	154	
	9991	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 32.5 62.0	3.1 14.7 28.3	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.330 8.38	60	66%	25	82	47	154	
	9992	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.8 42.5 86.0	4.0 19.3 39.1	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.383 9.73	60	66%	25	82	47	154	
	9993	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.8 107.0 228.0	4.5 48.6 103.6	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.428 10.87	60	66%	25	82	47	154	
	9995	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	21.2 116.0 228.0	9.7 52.7 103.6	24.0Ω/M' 78.7Ω/km	18.0Ω/M' 59.1Ω/km	.636 16.15	60	66%	25	82	47	154	

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Conductors • TC • Twisted Pairs • Individually Shielded w/ Beldfoil (100% Coverage) • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Overall Chrome PVC Jacket																		
 Z-Fold®	8767	NEC: MPG, CMG CEC: MPG, CMG FT4	3	See Chart 3 (Tech Info Section)	U-500 500 1000	U-152.4 152.4 304.8	22.5 23.0 46.0	10.3 10.5 21.0	.013 .33	.037 .94	.279 7.10	40	131	77	253			
	8768	NEC: MPG, CMG CEC: MPG, CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	46.5 92.0	21.1 41.8	.013 .33	.037 .94	.379 9.60	40	131	77	253			
	8764	NEC: MPG, CMG CEC: MPG, CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	122.0 55.5	.013 .33	.040 1.02	.425 10.80	40	131	77	253				
	8765	NEC: MPG, CMG CEC: MPG, CMG FT4	11	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	76.5 149.0	34.8 67.7	.013 .33	.040 1.02	.470 11.90	40	131	77	253			
	8766	NEC: MPG, CMG CEC: MPG, CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	101.5 196.0	46.1 89.1	.013 .33	.045 1.14	.525 13.30	40	131	77	253			

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded

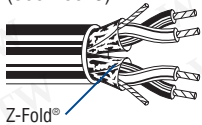
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

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

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)

UL AWM Style 2464 (300V 80°C)	9406	NEC:	2	Black & White,	100	30.5	3.8	1.7	15.0Ω/M'	13.0Ω/M'	.173	4.39	50	60%	50	164	95	312
		CMG			U-500	U-152.4	16.5	7.5	49.2Ω/km	42.7Ω/km	x	x						
		CEC:			500	152.4	17.0	7.7			.280	7.11						
		CMG FT4			U-1000	U-304.8	32.0	14.5										
					1000	304.8	33.0	15.0										

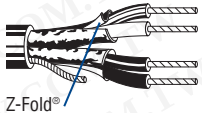


Z-Fold®

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS 60°C	8723	NEC:	2	Red & Black,	100	30.5	2.3	1.0	15.0Ω/M'	16.6Ω/M'	.160	4.06	45	66%	35	115	62	203
		CM			U-500	U-152.4	10.5	4.8	49.2Ω/km	54.5Ω/km								
		CEC:			500	152.4	10.0	4.5										
		CM			U-1000	U-304.8	20.0	9.1										
					1000	304.8	20.0	9.1										
					1640	499.9	32.8	14.9										
					U-2000	U-609.6	38.0	17.2										
					2000	609.6	40.0	18.2										
					3280	999.7	65.6	29.8										
					5000	1524.0	95.0	43.2										
					10000	3048.0	200.0	90.9										



Z-Fold®

For Plenum versions of 8723,
see 88723, 87723 or 82723.

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS 60°C	8723SB	NEC:	2	Red & Black,	1000	304.8	26.0	11.8	14.7Ω/M'	15.0Ω/M'	.196	4.98	45	66%	35	115	62	203
		new CMG-LS							48.2Ω/km	49.2Ω/km								
		CEC:																
		CMG-LS FT4 Limited Smoke																



Z-Fold®

Plenum • FEP Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

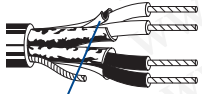
300V RMS, Non-conduit	82723	NEC:	2	Red & Black,	U-500†	U-152.4	10.5	4.8	14.7Ω/M'	16.6Ω/M'	.153	3.89	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6			U-2000†	U-609.6	40.0	18.1										



Z-Fold®

Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

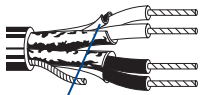
300V RMS, Non-conduit	88723	NEC:	2	Red & Black,	100†	30.5	3.4	1.5	16.0Ω/M'	14.7Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500†	152.4	11.0	5.0	52.5Ω/km	48.2Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6																



Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS, Non-conduit	87723	NEC:	2	Red & Black,	500†	152.4	11.0	5.0	14.7Ω/M'	15.0Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000†	304.8	20.0	9.1	48.2Ω/km	49.2Ω/km								
		CEC:																
		CMP FT6																



Z-Fold®

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

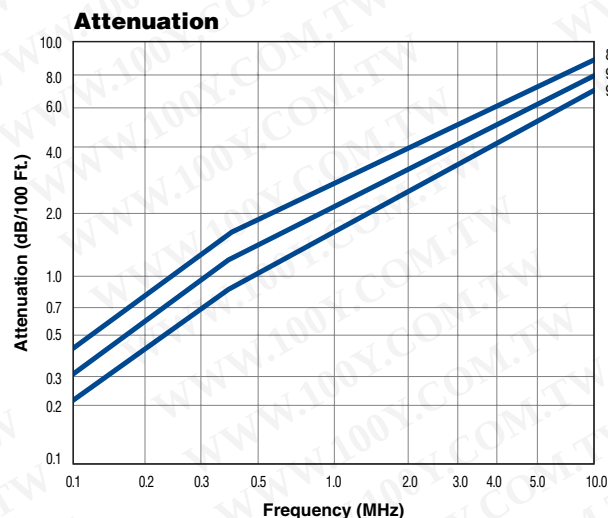
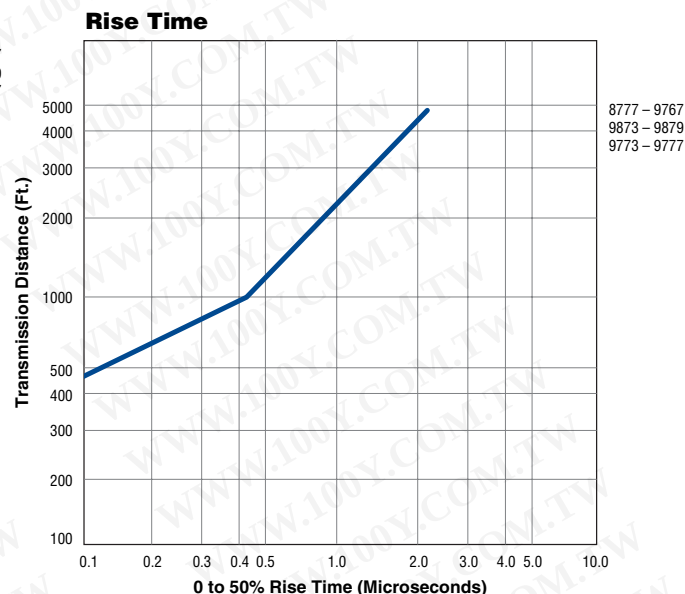
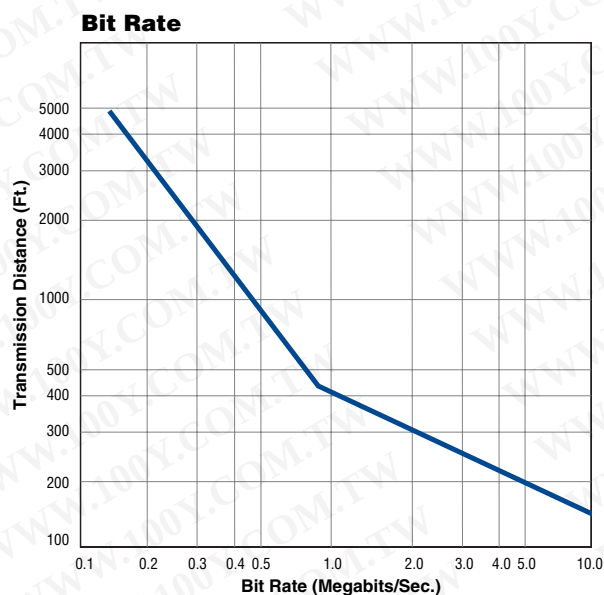
*Capacitance between conductors.

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

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded Cable Characteristics



Recommended for audio, pulse, and radio frequency applications requiring superior circuit isolation.

Insulation resistance between shields:
100 megohms/M' nom.

Capacitance between adjacent shields:
115 pF/ft. nom.

Working voltage between adjacent shields:
50 volts max.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded

Audio, Control and Instrumentation Cables

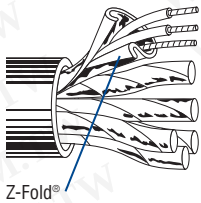
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

UL AWM Style 2919
(30V 80°C)



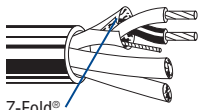
8777	NEC:	3	See	100	30.5	4.7	2.1	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	10.0	4.5	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	U-500	U-152.4	21.0	9.5										
	CM		Section)	500	152.4	20.0	9.1										
				U-1000	U-304.8	41.0	18.6										
				1000	304.8	44.0	20.0										
				1640	499.9	70.5	32.0										
				3280	999.7	141.0	64.0										
				5000	1524.0	215.0	97.6										
				10000††	3048.0	460.0	208.8										
8778	NEC:	6	See	100	30.5	8.4	3.8	15.0Ω/M'	10.6Ω/M'	.362	9.19	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	19.0	8.6	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	500	152.4	43.0	19.5										
	CM		Section)	1000	304.8	83.0	37.7										
8774	NEC:	9	See	100	30.5	11.5	5.2	15.0Ω/M'	10.6Ω/M'	.417	10.59	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	29.5	13.4	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	500	152.4	57.5	26.1										
	CM		Section)	1000	304.8	113.0	51.3										
8775	NEC:	11	See	100	30.5	12.1	5.5	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	65.5	29.7	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	1000	304.8	130.0	59.0										
	CM		Section)														
9768	NEC:	12	See	100	30.5	13.2	6.0	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	36.5	16.5	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	500	152.4	73.5	33.4										
	CM		Section)	1000	304.8	143.0	65.0										
8776	NEC:	15	See	100	30.5	17.8	8.1	15.0Ω/M'	10.6Ω/M'	.548	13.92	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	49.5	22.5	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	500	152.4	98.0	44.5										
	CM		Section)	1000	304.8	197.0	89.5										
9769	NEC:	17	See	100	30.5	20.0	9.1	15.0Ω/M'	10.6Ω/M'	.577	14.66	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	109.0	49.5	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	1000	304.8	215.0	97.7										
	CM		Section)														
8769	NEC:	19	See	100	30.5	22.9	10.4	15.0Ω/M'	10.6Ω/M'	.603	15.32	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	123.0	55.8	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	1000	304.8	244.0	110.8										
	CM		Section)														
8773	NEC:	27	See	100	30.5	33.9	15.4	15.0Ω/M'	10.6Ω/M'	.709	18.00	50	66%	30	98	55	180
	CM		Chart 3	250†	76.2	83.8	38.0	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	500	152.4	163.0	74.0										
	CM		Section)	1000	304.8	341.0	154.8										
9767	NEC:	37	See	500†	152.4	224.0	101.8	15.0Ω/M'	10.6Ω/M'	.800	20.32	50	66%	30	98	55	180
	CM		Chart 3	1000†	304.8	481.0	218.6	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info														
	CM		Section)														

For Plenum versions of 8777,
see 88777, 87777 or 82777.

For Plenum versions of 8778,
see 88778, 87778 or 82778.

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket

U300V RMS, Non-conduit



8777SB	NEC:	3	See	U-500†	U-152.4	19.5	8.9	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
	CMG-LS		Chart 3	U-1000	U-304.8	38.0	17.3	49.2Ω/km	34.8Ω/km								
	CEC:		(Tech Info	1000†	304.8	39.0	17.7										
	CMG-LS FT4		Section)														
	Limited Smoke																

DCR = DC Resistance • TC = Tinned Copper

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.39.

*Capacitance between conductors.

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

† Spools are one piece, but length may vary -0 to +20% from length shown.

†† Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.

BELDEN

For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

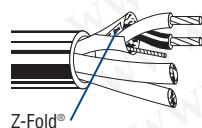
Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

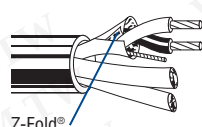
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ ft.	* pF/ m	** pF/ ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

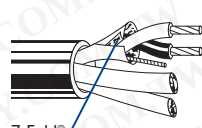
Plenum • FEP Insulation • Natural Flamarrest® Jacket

 300V RMS Z-Fold®	82777	NEC:	3	See Chart 3 (Tech Info Section)	U-500†	U-152.4	19.5	8.9	14.7Ω/M'	11.3Ω/M'	.237	6.02	46	62%	35	115	76	249
		CMP			U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	39.0	17.7										
		CMP FT6																
	82778	NEC:	6	See Chart 3 (Tech Info Section)	1000†	304.8	71.0	32.2	14.7Ω/M'	11.3Ω/M'	.314	7.98	46	62%	35	115	76	249
		CMP							48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

Plenum • FEP Insulation • Red FEP Jacket

 300V RMS Z-Fold®	88777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			500†	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	42.0	19.1										
		CMP FT6																
	88778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			500†	152.4	38.5	17.4	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	75.0	34.1										
		CMP FT6																

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

 300V RMS Z-Fold®	87777	NEC:	3	See Chart 3 (Tech Info Section)	500†	152.4	18.0	8.2	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			1000†	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																
	87778	NEC:	6	See Chart 3 (Tech Info Section)	500†	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			1000†	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

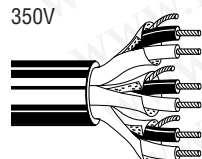
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Overall Chrome PVC Jacket

 UL AWM Style 2464 (300V 80°C) Z-Fold®	9402	NEC:	2	Red & Black,	U-500	U-152.4	26.0	11.8	—	—	.300	7.62	—	—	55	180	95	312			
		CMG			1000	304.8	52.0	23.7													
		CEC:																			
		CMG FT4																			
												Insulation Thickness		.010					.25		
												Jacket Thickness		.041					1.04		

20 AWG Stranded (10x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Black High-density Polyethylene Jacket

 350V Z-Fold®	9883		3	See Chart 3 (Tech Info Section)	500	152.4	28.5	12.9	6.4Ω/M'	11.2Ω/M'	.340	8.64	50	66%	30	98	55	180
					1000	304.8	57.0	25.9	21.0Ω/km	36.8Ω/km								
	9886		6	See Chart 3 (Tech Info Section)	500	152.4	56.0	25.4	6.4Ω/M'	11.2Ω/M'	.455	11.56	50	66%	30	98	55	180
					1000	304.8	108.0	49.0	21.0Ω/km	36.8Ω/km								

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Individually Shielded

Audio, Control and Instrumentation Cables

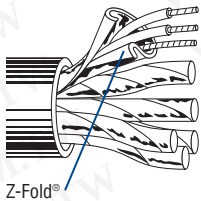
勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

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

20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Overall Chrome PVC Jacket

UL AWM Style 2919
(30V 80°C)

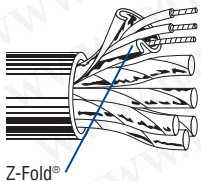


9873	NEC:	3	See	100	30.5	6.6	3.0	10.5Ω/M'	14.0Ω/M'	.341	8.66	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	14.5	6.6	34.4Ω/km	45.9Ω/km								
	CEC:		(Tech Info	500	152.4	32.5	14.8										
	CM		Section)	1000	304.8	58.0	26.3										
9874	NEC:	6	See	100	30.5	10.3	4.7	10.5Ω/M'	11.3Ω/M'	.445	11.30	50	66%	30	98	55	180
	CM		Chart 3	250	76.2	29.0	13.2	34.4Ω/km	37.1Ω/km								
	CEC:		(Tech Info	500	152.4	56.5	25.7										
	CM		Section)	1000	304.8	113.0	51.3										
9875	NEC:	9	See	100	30.5	17.7	8.1	10.5Ω/M'	11.3Ω/M'	.555	14.10	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	97.0	44.0	34.4Ω/km	37.1Ω/km								
	CEC:		(Tech Info	1000	304.8	187.0	88.4										
	CM		Section)														
9876	NEC:	11	See	1000	304.8	220.0	100.0	10.5Ω/M'	11.3Ω/M'	.600	15.24	50	66%	30	98	55	180
	CM		Chart 3					34.4Ω/km	37.1Ω/km								
	CEC:		(Tech Info														
	CM		Section)														
9877	NEC:	12	See	100	30.5	22.1	10.1	10.5Ω/M'	11.3Ω/M'	.617	15.67	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	119.0	54.1	34.4Ω/km	37.1Ω/km								
	CEC:		(Tech Info	1000	304.8	237.0	107.7										
	CM		Section)														
9879	NEC:	15	See	500	152.4	146.0	66.4	10.5Ω/M'	11.3Ω/M'	.689	17.50	50	66%	30	98	55	180
	CM		Chart 3	1000	304.8	296.0	134.5	34.4Ω/km	37.1Ω/km								
	CEC:		(Tech Info														
	CM		Section)														

18 AWG Stranded (19x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

UL AWM Style 2919
(30V 80°C)



9773	NEC:	3	See	100	30.5	10.8	4.9	6.4Ω/M'	8.3Ω/M'	.404	10.26	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	52.5	23.8	21.0Ω/km	27.2Ω/km								
	CEC:		(Tech Info	1000	304.8	107.0	48.6										
	CM		Section)														
9774	NEC:	6	See	100	30.5	16.1	7.3	6.4Ω/M'	8.3Ω/M'	.560	14.22	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	89.5	40.9	21.0Ω/km	27.2Ω/km								
	CEC:		(Tech Info	1000	304.8	176.0	80.8										
	CM		Section)														
9775	NEC:	9	See	100	30.5	25.8	11.7	6.4Ω/M'	8.3Ω/M'	.655	16.64	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	123.0	55.8	21.0Ω/km	27.2Ω/km								
	CEC:		(Tech Info	1000	304.8	241.0	109.4										
	CM		Section)														
9776	NEC:	12	See	100	30.5	31.6	14.4	6.4Ω/M'	8.3Ω/M'	.735	18.67	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	151.5	69.0	21.0Ω/km	27.2Ω/km								
	CEC:		(Tech Info	1000	304.8	307.0	139.4										
	CM		Section)														
9777	NEC:	15	See	100	30.5	38.8	17.6	6.4Ω/M'	8.3Ω/M'	.819	20.80	50	66%	30	98	55	180
	CM		Chart 3	500	152.4	194.0	88.1	21.0Ω/km	27.2Ω/km								
	CEC:		(Tech Info	1000	304.8	421.0	191.1										
	CM		Section)														

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

See Attenuation, Rise Time and Bit Rate data for this series on page 5.39.