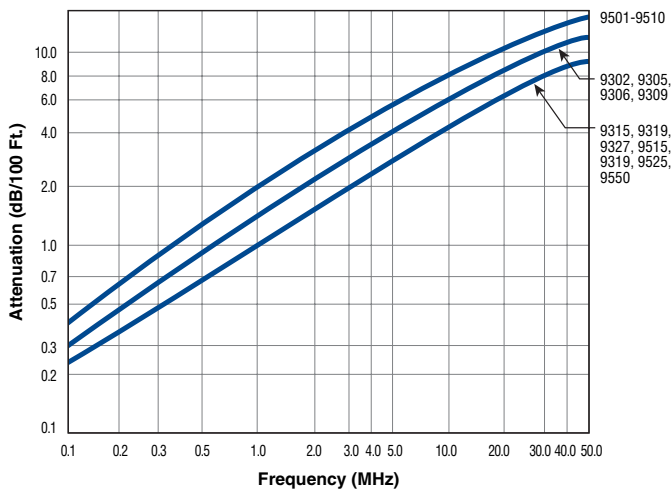


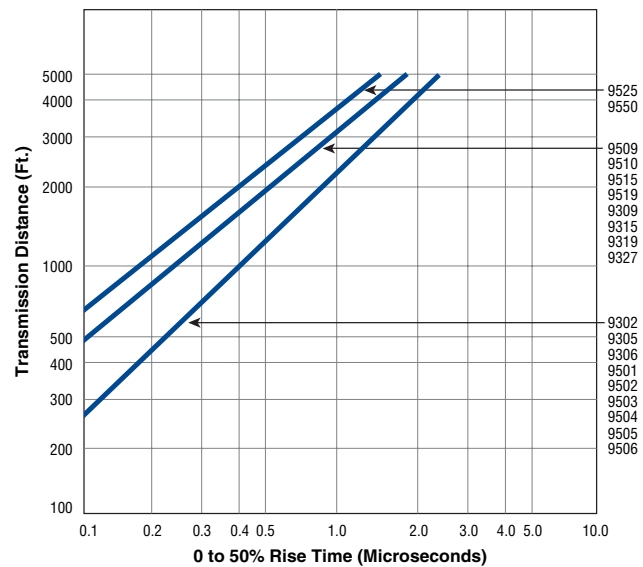
# Overall Beldfoil® Shield

## Cable Characteristics

**Attenuation**

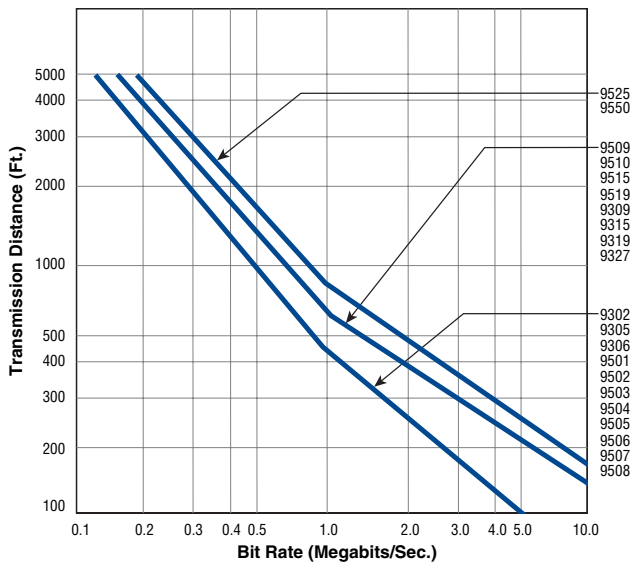


**Rise Time**



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

**Bit Rate**



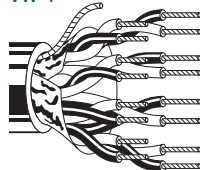
Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

# Overall Beldfoil® Shield

High-Temperature Control and Instrumentation Cables and Computer Cables for EIA RS-232 Applications

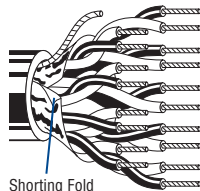
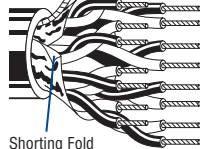
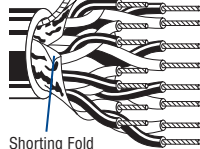
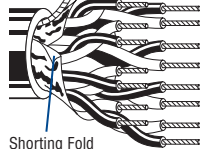
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**20 AWG Stranded (7x28) TC Conductors • Pairs Cabled Together • Overall Beldfoil® Shield (100% Coverage) • Drain Wire**

<b>Tefzel® Insulation • Clear Tefzel Jacket</b>																				
<b>High-Temperature</b> 300V RMS, 150°C VW-1	<b>85164</b>	4	See Chart 3 (Tech Info Section)	100	30.5	6.6	3.0	.015	.38	.025	.64	.344	8.74	23	75	40	131			
				500†	152.4	37.0	16.8													
				1000†	304.8	71.0	32.3													
	<b>85168</b>	8	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.015	.38	.025	.64	.439	11.15	23	75	40	131			
				500†	152.4	62.0	28.2													
				1000†	304.8	126.0	57.3													

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 • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**

<b>Semi-rigid PVC Insulation • Chrome PVC Jacket</b>																				
<b>UL AWM Style 2464</b> (300V 80°C) <b>CSA AWM I A</b>	<b>9501</b>	NEC: 1 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	2.1	1.0	24.0Ω/M'	18.0Ω/M'	.156	3.96	75	60%	40	131	74	243			
				U-500	U-152.4	7.5	3.4	78.7Ω/km	59.1Ω/km											
				500	152.4	7.0	3.2													
				U-1000	U-304.8	14.0	6.4													
				1000	304.8	14.0	6.4													
	<b>9502††</b>	NEC: 2 CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	See Chart 3 (Tech Info Section)	100	30.5	3.7	1.7	24.0Ω/M'	17.0Ω/M'	.222	5.64	75	60%	30	98	50	164			
				U-500	U-152.4	15.0	6.8	78.7Ω/km	55.8Ω/km											
				500	152.4	14.5	6.6													
				U-1000	U-304.8	28.0	12.7													
				1000	304.8	30.0	13.6													
				10000	3048.0	290.0	131.8													
	<b>9503</b>	NEC: 3 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	3.4	1.5	24.0Ω/M'	17.0Ω/M'	.232	5.89	75	60%	30	98	50	164			
				U-500	U-152.4	15.0	6.8	78.7Ω/km	55.8Ω/km											
				500	152.4	14.5	6.6													
				U-1000	U-304.8	28.0	12.7													
				1000	304.8	30.0	13.6													
	<b>9504</b>	NEC: 4 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	4.0	1.8	24.0Ω/M'	17.0Ω/M'	.265	6.73	75	60%	30	98	50	164			
				U-500	U-152.4	18.0	8.2	78.7Ω/km	55.8Ω/km											
				500	152.4	16.5	7.5													
				U-1000	U-304.8	35.0	15.9													
				1000	304.8	36.0	16.3													
	<b>9505</b>	NEC: 5 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	4.7	2.1	24.0Ω/M'	17.0Ω/M'	.289	7.34	75	60%	30	98	50	164			
				U-500	U-152.4	21.5	9.8	78.7Ω/km	55.8Ω/km											
				500	152.4	23.0	10.4													
				U-1000	U-304.8	41.0	18.6													
				1000	304.8	43.0	19.5													

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.

†† Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations of RG/U cables not listed.

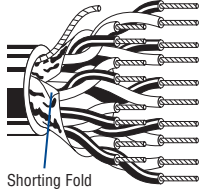
See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Tefzel is a DuPont trademark.



# Overall Beldfoil® Shield

## Computer Cables for EIA RS-232 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 • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire (continued)</b>																			
<b>Semi-rigid PVC Insulation • Chrome PVC Jacket</b>																			
 <p>UL AWM Style 2464 (300V 80°C) CSA AWM I A</p> <p>Shorting Fold</p>	<b>9506</b>	NEC:	6	See	100	30.5	5.0	2.3	24.0Ω/M'	16.0Ω/M'	.289	7.34	75	60%	30	98	50	164	
		CMG		Chart 3		U-500	U-152.4	23.0	10.4	78.7Ω/km									52.5Ω/km
		CEC:		(Tech Info		500	152.4	25.0	11.3										
		CMG FT4		Section)		U-1000	U-304.8	45.0	20.4										
					1000	304.8	47.0	21.4							For Plenum version of 9506, see 82506.				
		<b>9507</b>	NEC:	7	See	100	30.5	5.5	2.5	24.0Ω/M'	16.5Ω/M'	.294	7.47	75	60%	30	98	50	164
	CMG		Chart 3		U-500		U-152.4	25.0	11.3	78.7Ω/km	54.1Ω/km								
	CEC:		(Tech Info		500		152.4	27.0	12.3										
	CMG FT4		Section)		U-1000		U-304.8	49.0	22.2										
					1000	304.8	51.0	23.1											
	<b>9508</b>	NEC:	8	See	100	30.5	6.3	2.9	24.0Ω/M'	16.5Ω/M'	.324	8.23	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	30.5	13.8	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	60.0	27.2											
CMG FT4		Section)																	
	<b>9509</b>	NEC:	9	See	100	30.5	6.9	3.1	24.0Ω/M'	16.5Ω/M'	.334	8.48	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	33.5	15.2	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	67.0	30.4											
CMG FT4		Section)																	
														For Plenum version of 9509, see 82509.					
	<b>9510</b>	NEC:	10	See	100	30.5	7.5	3.4	24.0Ω/M'	16.5Ω/M'	.368	9.34	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	36.5	16.6	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	74.0	33.6											
CMG FT4		Section)																	
	<b>9515</b>	NEC:	15	See	100	30.5	10.4	4.7	24.0Ω/M'	16.5Ω/M'	.417	10.6	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	52.0	23.6	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	102.0	46.4											
CMG FT4		Section)																	
	<b>9519</b>	NEC:	19	See	100	30.5	12.8	5.8	24.0Ω/M'	16.5Ω/M'	.448	11.4	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	61.5	28.0	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	122.0	55.5											
CMG FT4		Section)																	
	<b>9525</b>	NEC:	25	See	100	30.5	16.0	7.3	24.0Ω/M'	16.5Ω/M'	.503	12.8	75	60%	30	98	50	164	
CMG		Chart 3		500		152.4	79.5	36.1	78.7Ω/km	54.1Ω/km									
CEC:		(Tech Info		1000		304.8	155.0	70.3											
CMG FT4		Section)																	
	<b>9550</b>	NEC:	50	Request	100	30.5	31.9	14.5	24.0Ω/M'	15.2Ω/M'	.708	18.0	75	60%	30	98	50	164	
CMG		Technical		500†		152.4	153.5	69.8	78.7Ω/km	49.9Ω/km									
CEC:		Bulletin		1000†		304.8	311.0	141.4											
CMG FT4		T/8-4																	

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 -0% to +20% from length shown.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

# Overall Beldfoil® Shield


## Computer Cables for EIA RS-232 Applications

### Plenum-Rated


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

**24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

	300V RMS	<b>82641</b>	NEC: CMP CEC: CMP FT6	1	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	9.0 8.0	4.1 3.6	.006 .15	.15 .014	.36 .36	.106 2.69	31	102	59	194
		<b>82502</b>	NEC: CMP CEC: CMP FT6	2	See Chart 3 (Tech Info Section)	U-500† 1000†	U-152.4 U-304.8	8.0 16.0	3.6 7.3	.006 .15	.15 .014	.36 .36	.162 4.11	25	82	45	148
		<b>82503</b>	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	19.0 18.0	8.6 8.2	.006 .15	.15 .014	.36 .36	.169 4.29	25	82	45	148
		<b>82504</b>	NEC: CMP CEC: CMP FT6	4	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	24.0 26.0	10.9 11.8	.006 .15	.15 .014	.36 .36	.193 4.90	25	82	45	148
		<b>82505</b>	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	29.0 31.0	13.2 14.0	.006 .15	.15 .015	.38 .38	.196 4.98	25	82	45	148
		<b>82506</b>	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	U-500† 1000†	U-152.4 U-304.8	17.5 34.0	8.0 15.5	.006 .15	.15 .015	.38 .38	.209 5.31	25	82	45	148
		<b>82509</b>	NEC: CMP CEC: CMP FT6	9	See Chart 3 (Tech Info Section)	1000†	304.8	49.0 22.3	.006 .15	.15 .015	.38 .38	.246 6.25	23	75	42	138	

**Plenum • FEP Insulation • Red FEP Jacket**

	300V RMS	<b>88641</b>	NEC: CMP CEC: CMP FT6	1	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 9.0	1.1 2.7 4.1	.006 .15	.15 .014	.36 .36	.106 2.69	31	102	59	194
		<b>89503</b>	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.0 10.5 21.0	1.8 4.8 9.5	.006 .15	.15 .014	.36 .36	.175 4.45	21	69	40	131
		<b>89504</b>	NEC: CMP CEC: CMP FT6	4	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	13.0 29.0	6.0 13.1	.006 .15	.15 .014	.36 .36	.192 4.88	21	69	40	131
		<b>89505</b>	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	100 1000†	30.5 304.8	4.9 33.0	2.2 15.0	.006 .15	.15 .014	.36 .36	.197 5.00	21	69	40	131

TC = Tinned Copper

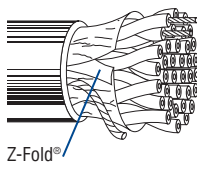
\* Capacitance between conductors.

\*\* 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.

# Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 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>28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 28 AWG Stranded TC Drain Wire</b>																		
<b>Datalene® Insulation • Chrome PVC Jacket</b>																		
 <p>UL AWM Style 2919 (30V 80°C)</p> <p>Z-Fold®</p>	<b>8132FO</b>	NEC: CL2	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	8.5 20.0	3.9 9.1	65.0Ω/M' 213.0Ω/km	23.1Ω/M' 75.8Ω/km	.215 5.46	120	78%	11.0	36.1	20.0	65.6	
	<b>8133FO</b>	NEC: CL2	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	11.0 20.0	5.0 9.1	65.0Ω/M' 213.0Ω/km	23.1Ω/M' 75.8Ω/km	.250 6.35	120	78%	11.0	36.1	20.0	65.6	
	<b>8134FO</b>	NEC: CL2	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 31.0	6.1 14.1	65.0Ω/M' 213.0Ω/km	20.0Ω/M' 65.6Ω/km	.270 6.86	120	78%	11.0	36.1	20.0	65.6	
	<b>8135FO</b>	NEC: CL2	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	14.0 32.0	6.4 14.5	65.0Ω/M' 213.0Ω/km	20.0Ω/M' 65.6Ω/km	.280 7.11	120	78%	11.0	36.1	20.0	65.6	
	<b>8138FO</b>	NEC: CL2	8	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	22.0 42.0	10.0 19.1	65.0Ω/M' 213.0Ω/km	17.7Ω/M' 58.1Ω/km	.310 7.88	120	78%	11.0	36.1	20.0	65.6	
	<b>8142FO</b>	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	27.5 54.0	12.5 24.5	65.0Ω/M' 213.0Ω/km	17.7Ω/M' 58.1Ω/km	.385 9.78	120	78%	11.0	36.1	20.0	65.6	
	<b>8148FO</b>	NEC: CL2	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.5 75.0	17.5 34.5	65.0Ω/M' 213.0Ω/km	15.8Ω/M' 51.8Ω/km	.445 11.31	120	78%	11.0	36.1	20.0	65.6	
	<b>8155FO</b>	NEC: CL2	25	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	42.0 84.0	19.1 38.1	65.0Ω/M' 213.0Ω/km	14.3Ω/M' 47.7Ω/km	.545 13.85	120	78%	11.0	36.1	20.0	65.6	

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.

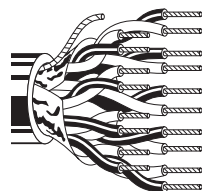
# Overall Beldfoil® Shield

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

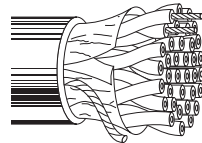
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

**24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**

**Polyethylene Insulation • Chrome PVC Jacket**

 <p>UL AWM Style 2919 (30V 80°C)</p>	<b>9680</b>	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 38.0	7.7 17.3	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.282 7.16	100	66%	15.5	50.8	27.5	90.2
	<b>9681</b>	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	24.0 45.0	10.9 20.5	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.307 7.80	100	66%	15.5	50.8	27.5	90.2
	<b>9682</b>	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	29.5 56.0	13.4 25.5	24.0Ω/M' 78.7Ω/km	13.1Ω/M' 43.0Ω/km	.342 8.69	100	66%	15.5	50.8	27.5	90.2
	<b>9683</b>	NEC: CM CEC: CM	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.0 79.0	17.2 35.9	24.0Ω/M' 78.7Ω/km	12.0Ω/M' 39.4Ω/km	.397 10.10	100	66%	15.5	50.8	27.5	90.2
	<b>9684</b>	NEC: CM CEC: CM	12.5 (12 prs.+ 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	49.5 97.0	22.6 44.1	24.0Ω/M' 78.7Ω/km	12.0Ω/M' 39.4Ω/km	.445 11.30	100	66%	15.5	50.8	27.5	90.2

**Datalene® Insulation • Chrome PVC Jacket**

 <p>UL AWM Style 2919 (30V 80°C)</p>	<b>1419A</b>	NEC: CM CEC: CM FT1	2	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	13.5 30.0 310.0	6.1 13.6 140.9	24.0Ω/M' 78.7Ω/km	15.1Ω/M' 49.5Ω/km	.248 6.30	100	78%	13	42.7	22	72
	<b>1420A</b>	NEC: CM CEC: CM FT 1	3	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	15.0 34.0 340.0	6.8 15.5 154.5	24.0Ω/M' 78.7Ω/km	15.1Ω/M' 49.5Ω/km	.261 6.63	100	78%	13	42.7	22	72
	<b>1421A</b>	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.5 37.0	7.5 16.8	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.280 7.11	100	78%	13	42.7	22	72
	<b>1422A</b>	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	23.0 43.0	10.5 19.5	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.294 7.47	100	78%	13	42.7	22	72
	<b>1423A</b>	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	25.0 48.0 500.0	11.4 21.8 227.3	24.0Ω/M' 78.7Ω/km	13.0Ω/M' 42.7Ω/km	.319 8.10	100	78%	13	42.7	22	72
	<b>1424A</b>	NEC: CM CEC: CM	12.5 (12 prs.+ 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	43.0 85.0	19.5 38.6	24.0Ω/M' 78.7Ω/km	13.0Ω/M' 42.7Ω/km	.418 10.62	100	78%	13	42.7	22	72
	<b>1425A</b>	NEC: CM CEC: CM	15	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	53.0 99.0	24.1 45.0	24.0Ω/M' 78.7Ω/km	11.2Ω/M' 36.7Ω/km	.473 12.01	100	78%	13	42.7	22	72

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.



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

# Overall Beldfoil® Shield

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		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

**24 AWG Stranded (7x32) TC Conductors • Twisted Pair • Overall Beldfoil Shield\* (100% Coverage) • 24 AWG Stranded TC Drain Wire**

**Polyolefin Insulation • Black Matte PVC Jacket**

<b>High-Flex</b> 300V RMS	<b>1508A</b>	NEC: CM	1	Black, Red	500	152.4	6.5	2.9	.008	.20	.024	.61	.131	3.33	31	102	58	190
					1000	304.8	11.0	5.0										



Jacket and shield are bonded so both can be removed with automatic stripping equipment.

**Polypropylene Insulation • PVC Jacket (Available in Gray, Brown, Red, Green, Lt. Blue, Purple, White or Black)**

300V RMS	<b>1883A</b>	NEC: CMR	1	Black, Red	U-1000	U-304.8	11.0	5.0	.008	.20	.020	.51	.123	3.12	31	102	58	190
					1000*	304.8	11.0	5.0										



Z-Fold®

\* 1000 ft. put-up available in Gray only.

Jacket and shield are bonded so both can be removed with automatic stripping equipment. For cross-connect use with 1408R Snake Cables.

**Polyethylene Insulation • Chrome PVC Jacket**

UL AWM Style 2092 (300V 60°C)	<b>8641</b>	NEC: CM	1	Black, Clear	100	30.5	2.3	1.0	.016	.41	.025	.64	.168	4.27	22	72	42	138				
					U-500	U-152.4	7.5	3.4														
					500	152.4	7.0	3.2														
					U-1000	U-304.8	14.0	6.4														
		CM			1000	304.8	14.0	6.4														
					2000	609.6	28.0	12.7														



For Plenum versions of 8641, see 88641 or 82641.

**Plenum • FEP Insulation • Red FEP Jacket**

300V RMS, Non-conduit	<b>88641</b>	NEC: CMP	1	Black, Red	100	30.5	2.4	1.1	.006	.15	.014	.36	.106	2.69	31	102	59	194		
					500†	152.4	6.0	2.7												
					1000†	304.8	9.0	4.1												



CMP FT6

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

300V RMS, Non-conduit	<b>82641</b>	NEC: CMP	1	Black, Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194		
					1000†	304.8	8.0	3.6												



CMP FT6

TC = Tinned Copper

\*Capacitance between conductors.

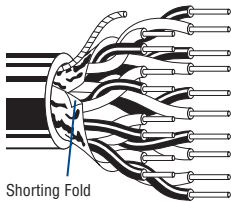

\*\*Capacitance between one conductor and other conductors connected to shield.

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


▲ Beldfoil provides high reliability with ease of termination.

# Overall Beldfoil® Shield

## Audio, Control and Instrumentation Cables

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		
<b>22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire</b>																				
<b>PVC Insulation • Chrome PVC Jacket</b>																				
 <p>UL AWM Style 2464 (300V 80°C)</p> <p>Shorting Fold</p>	<b>9302</b>	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	15.5	7.0	.013	.33	.032	.81	.244	6.20	35	115	50	164		
		CMG			500	152.4	15.0	6.8												
		CEC: CMG FT4			U-1000	U-304.8	29.0	13.2	1000	304.8	31.0	14.1								
	<b>9305</b>	NEC:	4	See Chart 3 (Tech Info Section)	U-100	U-30.5	4.9	2.2	.013	.33	.032	.81	.265	6.73	35	115	50	164		
		CMG			U-500	U-152.4	22.0	10.0												
		CEC: CMG FT4			U-1000	U-304.8	43.0	19.5	1000	304.8	45.0	20.4								
	<b>9306</b>	NEC:	6	See Chart 3 (Tech Info Section)	U-500	U-152.4	31.5	14.3	.013	.33	.032	.81	.315	8.00	35	115	50	164		
		CMG			U-1000	U-304.8	62.0	28.2												
		CEC: CMG FT4																		
	<b>9309</b>	NEC:	9	See Chart 3 (Tech Info Section)	U-500	U-152.4	44.5	20.2	.013	.33	.033	.84	.363	9.22	35	115	50	164		
CMG		U-1000			U-304.8	86.0	39.1													
CEC: CMG FT4																				
<b>9315</b>	NEC:	15	See Chart 3 (Tech Info Section)	U-500	U-152.4	67.0	30.5	.013	.33	.037	.94	.449	11.41	35	115	50	164			
	CMG			U-1000	U-304.8	133.0	60.5													
	CEC: CMG FT4																			
<b>9319</b>	NEC:	19	See Chart 3 (Tech Info Section)	U-500	U-152.4	85.0	38.6	.013	.33	.040	1.02	.495	12.57	35	115	50	164			
	CMG			U-1000	U-304.8	165.0	75.0													
	CEC: CMG FT4																			
<b>9327</b>	NEC:	27	See Chart 3 (Tech Info Section)	U-500	U-152.4	116.0	52.7	.013	.33	.045	1.14	.615	15.62	35	115	50	164			
	CMG			U-1000	U-304.8	230.0	104.5													
	CEC: CMG FT4																			
 <p>300V RMS, 60°C</p>	<b>8751</b>	NEC:	51	Request Technical Bulletin T/8-4	1000†	304.8	384.0	174.5	.010	.25	.050	1.27	.710	18.03	30	98	42.8	140		
		CMG CEC: CMG FT4																		

For 38-pair polypropylene version of 8751, see 8752.

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>22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Duofoil® Shield (100% Coverage) • 22 AWG Stranded Tinned Copper Drain Wire</b>																		
<b>Datalene® Insulation • Black PVC Jacket</b>																		
 <p>UL AWM Style 2668 (300V 60°C)</p>	<b>9184</b>	NEC:	2	Black & Yellow, Red & Blue	500	152.4	29.0	13.2	16.5Ω/M'	8.0Ω/M'	.385	9.78	150	78%	8.7	28.5	14.1	46.3
		CM CEC: CM			1000	304.8	59.0	26.8	54.13Ω/km	26.2Ω/km								

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 -0 to +20% from length shown.

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.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.


# Overall Beldfoil® Shield

## Audio, Control and Instrumentation Cables

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 Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Solid TC Drain Wire\***

**Polypropylene Insulation • Gray or Black PVC Jacket**

 <p>Z-Fold®</p>	<b>8450</b>	NEC:	1	Black, Red	U-500 <sup>▲</sup>	U-152.4	7.5	3.4	.007	.18	.018	.46	.118	3.00	40	131	76	249			
		CM			U-1000 <sup>▲</sup>	U-304.8	14.0	6.4													
		CEC:			1000	304.8	13.0	5.9													
		CM																			

<sup>▲</sup>U-500 ft. and U-1000 ft. put-ups available in Black only.  
Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.


**Polypropylene Insulation • Chrome PVC Jacket**

	<b>8752</b>		38	Request Tech Bulletin T/8-4	250 <sup>†</sup>	76.2	65.0	29.5	.008	.20	.045	1.14	.610	15.50	17	56	24.3	80				
					1000 <sup>†</sup>	304.8	256.0	116.4														

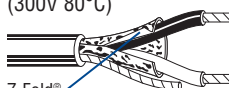
\*8752 has a stranded tinned copper drain wire.

**22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire**

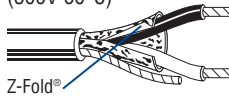
**Semi-rigid PVC Insulation • Pale Fawn Beige Striated PVC Jacket**

	<b>9414</b>	NEC:	1	White, Black	U-500	U-152.4	12.0	5.5	.010	.25	.035	.89	.186	4.72	50	164	95	312			
		CMG			500	152.4	11.5	5.2													
		CEC:			U-1000	U-304.8	23.0	10.5													
		CMG FT4			1000	304.8	23.0	10.5													

**PVC Insulation • Chrome PVC Jacket**

 <p>Z-Fold®</p>	<b>9462</b>	NEC:	1	Black, Red	100	30.5	3.0	1.4	.013	.33	.035	.89	.186	4.72	50	164	90	295			
		CMG			U-500	U-152.4	11.0	5.0													
		CEC:			500	152.4	10.5	4.8													
		CMG FT4			U-1000	U-304.8	21.0	9.5													
					1000	304.8	21.0	9.5													

**Polyethylene Insulation • Chrome PVC Jacket**

 <p>Z-Fold®</p>	<b>8761</b>	NEC:	1	Black, Clear	U-500	U-152.4	9.0	4.1	.016	.41	.025	.64	.175	4.45	24	79	47	154				
		CM			500	152.4	9.0	4.1														
		CEC:			U-1000	U-304.8	17.0	7.7														
		CM			1000	304.8	18.0	8.2														
					2000	609.6	36.0	16.3														
					5000	1524.0	90.0	40.9														
	10000 <sup>††</sup>	3048.0	170.0	77.3																		

For Plenum versions of 8761, see 88761, 87761 or 82761.

	<b>9461</b>	NEC:	1	Black, Clear	U-500	U-152.4	11.0	5.0	.016	.41	.026	.66	.180	4.57	24	79	47	154	
		CM			U-1000	U-304.8	21.0	9.6											
		CEC:																	
		CM																	

The jacket and shield are bonded so both can be removed on automatic stripping equipment.

TC = Tinned Copper

\*Capacitance between conductors.

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

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

<sup>††</sup> Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.


# Overall Beldfoil® Shield

## Audio, Control and Instrumentation Cables

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 Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire** (continued)

**Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket**

 <p>300V RMS 75°C</p> <p>Z-Fold®</p>	<b>8451</b>	NEC:	1	Black, Red	100*	30.5	2.3	1.1	.008	.20	.020	.51	.138	3.51	34	112	67	220				
		CMR:			U-500	U-152.4	8.5	3.8														
		CEC:			500	152.4	8.0	3.6														
		CMG:			U-1000	U-304.8	16.0	7.3														
					1000	304.8	16.0	7.3														

\*100 ft. put-up available in Black only.  
Unique paper separator facilitates jacket stripping.

**Polypropylene Insulation • PVC Jacket** (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)

 <p>300V RMS 75°C</p>	<b>9451</b>	NEC:	1	Black, Red	U-500 <sup>▲</sup>	U-152.4	8.5	3.9	.008	.20	.020	.51	.135	3.43	35	115	67	220				
		CMR:			500 <sup>▲</sup>	152.4	8.0	3.6														
		CEC:			T-1000 <sup>▲</sup>	T-304.8	18.0	8.2														
		CMG FT4:			U-1000	U-304.8	15.0	6.8														
					5000	1524.0	75.0	34.0														


<sup>▲</sup>U-500 ft., 500 ft. and T-1000 ft. put-ups available in Gray only.  
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

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

 <p>300V RMS 105°C</p>	<b>9451SB</b> <small>new</small>	NEC:	1	Black, Red	1000	304.8	20.0	9.1	.008	.20	.032	.81	.160	4.06	35	115	67	220				
		CMG-LS:																				
		CEC:			CMG-LS FT4																	
		CMG-LS FT4:			Limited Smoke																	

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

**Polyolefin Insulation • PVC Jacket in Zip-Cord Construction** (Red & Green, Red & Black, Red & Purple or Red & Gray)

 <p>300V 105°C</p>	<b>9451D</b>	NEC:	2	Black, Red	U-1000	U-304.8	29.0	13.2	.008	.20	.020	.51	.135	3.43	34	112	67	220				
		CMR:			2000*	620.8	62.0	28.1								x	x					
		CEC:															.270	6.86				
		CMR FT4:																				

\*2000 ft. put-up available in Red & Green only.  
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.


**Plenum • FEP Insulation • White Flamarrest® Jacket in Zip-Cord Construction**

 <p>300V RMS 60°C</p>	<b>9451DP</b> <small>new</small>	NEC:	2	Black & Red, Black & White	1000	304.8	24.0	10.9	.007	.18	.017	.43	.127	3.23	35	115	67	220			
		CMP:														x	x				
		CEC:			CMP FT6												.269	6.83			

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.


**22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**

**Polypropylene Insulation • PVC Jacket** (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

 <p>300V RMS</p>	<b>1266A</b>	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.143	3.63	30	99	54	177				
		CM:			1000†	304.8	15.0	6.8														
		CEC:																				
		CM:																				

†1000 ft. put-up available in Black only.  
Unique design features lower capacitance and greater flexibility than standard audio pair constructions.

**PVC Insulation • PVC Jacket** (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

 <p>300V 90°C</p>	<b>1503A</b>	NEC:	1	Black, Red	U-1000	U-304.8	16.0	7.3	.010	.25	.020	.51	.142	3.61	53	174	97	318				
		CM:																				
		CEC:																				
		CM:																				

TC = Tinned Copper

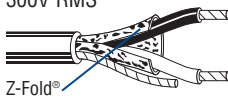
\*Capacitance between conductors.  
\*\*Capacitance between one conductor and other conductors connected to shield.

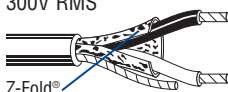
# Overall Beldfoil® Shield


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		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 Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire**

<b>Plenum • FEP Insulation • Red FEP Jacket</b>																					
 <p>Z-Fold®</p>	<b>88761</b>	NEC:	1	Black, Red	100†	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220			
		CMP			U-500†	U-152.4	7.5	3.4													
		CEC:			500†	152.4	7.5	3.4													
		CMP FT6			U-1000†	U-304.8	15.0	6.8													
					1000†	304.8	12.0	5.4													


<b>Plenum • FEP Insulation • Red Fluorocopolymer Jacket</b>																					
 <p>Z-Fold®</p>	<b>87761</b>	NEC:	1	Black, Red	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220			
		CMP			1000†	304.8	11.0	5.0													
		CEC:																			
		CMP FT6																			

<b>Plenum • FEP Insulation • Natural Flammarrest® Jacket</b>																					
 <p>Z-Fold®</p>	<b>82761</b>	NEC:	1	Black, Red	U-500†	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220			
		CMP			U-1000†	U-304.8	14.0	6.4													
		CEC:			1000†	304.8	11.0	5.0													
		CMP FT6																			

<b>Plenum • FEP Insulation • Flammarrest Jacket (Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)</b>																					
	<b>9451P</b> <small>new</small>	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.007	.18	.017	.43	.127	3.23	35	115	67	220			
		CMP			5000	1524.0	75.0	34.0													
		CEC:																			
		CMP FT6																			

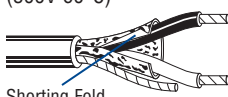
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.


**22 AWG Stranded (19x34) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**

<b>PVC Insulation • PVC Jacket in Zip-Cord Construction (Red &amp; Green, Red &amp; Black, Red &amp; Purple or Red &amp; Gray)</b>																					
	<b>1504A</b>	NEC:	2	Black, Red	U-1000	U-304.8	32.0	14.5	.010	.25	.020	.51	.143	3.63	57	187	100	328			
		CM			2000††	609.8	64.0	29.0							x	x					
		CEC:														.286	7.26				
		CM																			

††2000 ft. put-up available in Red & Gray or Red & Green only.  
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

**20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire**

<b>Polyethylene Insulation • Chrome PVC Jacket</b>																					
 <p>Shorting Fold</p>	<b>8762</b>	NEC:	1	Black, Clear	100	30.5	3.2	1.5	.016	.41	.028	.71	.204	5.18	27	89	49	161			
		CM			250	76.2	6.3	2.8													
		CEC:			U-500	U-152.4	12.0	5.5													
		CM			500	152.4	12.0	5.5													
					U-1000	U-304.8	23.0	10.5													
					1000	304.8	23.0	10.5													
					2000	609.6	46.0	20.9													
	10000	3048.0	240.0	109.1																	

	<b>9464</b>	NEC:	1	Black, Clear	U-500	U-152.4	17.0	7.7	.016	.41	.035	.89	.214	5.44	27	89	49	161		
		CM			U-1000	U-304.8	32.0	14.5												
		CEC:																		
		CM																		

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

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.




# Overall Beldfoil® Shield

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		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

**20 AWG** Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire (cont.)

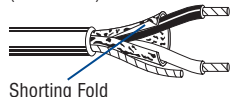
**PVC Insulation • Beige PVC Jacket**

UL AWM Style 2464 (300V 80°C)  Z-Fold®	<b>9154</b>	NEC:	1	Black, Red	U-500	U-152.4	11.5	5.2	.014	.36	.031	.79	.198	5.03	60	197	100	328			
		CMG			500	152.4	12.0	5.5													
		CEC:			U-1000	U-304.8	22.0	10.0													
		CMG FT4			1000	304.8	23.0	10.5													


9154 has 22 AWG stranded tinned copper drain wire.

**18 AWG** Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

**Polyethylene Insulation • Chrome PVC Jacket**

UL AWM Style 2092 (300V 60°C)  Shorting Fold	<b>8760</b>	NEC:	1	Black, Clear	250	76.2	6.8	3.1	.019	.48	.028	.71	.222	5.64	24	79	44	144				
		CM			U-500	U-152.4	13.5	6.1														
		CEC:			500	152.4	13.0	5.9														
		CM			U-1000	U-304.8	25.0	11.3														
					1000	304.8	26.0	11.8														
					2000	609.6	50.0	22.7														

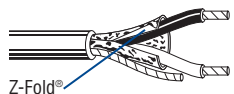
For Plenum versions of 8760, see 88760, 87760 or 82760.

	<b>9460</b>	NEC:	1	Black, Clear	U-500	U-152.4	18.5	8.4	.019	.48	.030	.76	.230	5.84	24	79	44	144
		CM			U-1000	U-304.8	36.0	16.4										


The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

**18 AWG** Stranded (19x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire


**Plenum • FEP Insulation • Red FEP Jacket**

300V RMS  Z-Fold®	<b>88760</b>	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318			
		CMP			U-500	U-152.4	12.5	5.7													
		CEC:			500†	152.4	11.0	5.0													
		CMP FT6			U-1000	U-304.8	24.0	10.9													

**Plenum • FEP Insulation • Red Fluorocopolymer Jacket**

300V RMS  Z-Fold®	<b>87760</b>	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318		
		CMP			500†	152.4	10.5	4.8												
		CEC:			1000†	304.8	21.0	9.5												

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

300V RMS  Z-Fold®	<b>82760</b>	NEC:	1	Black, Red	U-500†	U-152.4	12.0	5.4	.007	.18	.014	.36	.150	3.81	51	167	97	318		
		CMP			U-1000†	U-304.8	22.0	10.0												
		CEC:			1000†	304.8	21.0	9.5												

TC = Tinned Copper

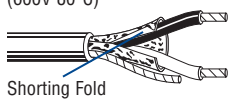
\*Capacitance between conductors.

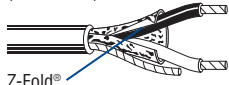
\*\*Capacitance between one conductor and other conductors connected to shield.

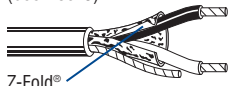
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

# Overall Beldfoil® Shield

## Audio, Control and Instrumentation Cables

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				
<b>16 AWG</b> Stranded (19x29) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 18 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Shorting Fold	<b>8719</b>	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	24.0	11.1	.032	.81	.032	.81	.313	7.95	23	75	44	144				
					500	152.4	25.5	11.6														
					U-1000	U-304.8	47.0	21.3														
					1000	304.8	50.0	22.7														
					2000	609.6	100.0	45.5														
					5000	1524.0	245.0	111.4														
	10000	3048.0	510.0	231.3																		

<b>14 AWG</b> Stranded (19x27) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 16 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	<b>8720</b>	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	34.0	15.4	.032	.81	.035	.89	.355	9.02	24	79	47	154				
					500	152.4	35.0	15.9														
					1000	304.8	71.0	32.3														
					2000	609.6	138.0	62.7														

<b>12 AWG</b> Stranded (19x25) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 14 AWG Stranded TC Drain Wire																						
<b>Polyethylene Insulation • Chrome PVC Jacket</b>																						
UL AWM Style 20253 (600V 80°C)  Z-Fold®	<b>8718</b>	NEC: CL2	1	Black, Clear	U-500	U-152.4	47.5	21.6	.037	.94	.040	1.02	.400	10.16	25	82	49	161				
					500	152.4	50.5	22.9														
					1000	304.8	100.0	45.5														
					2000	609.6	198.0	90.0														

TC = Tinned Copper

\*Capacitance between conductors.

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